

GenCore version 5.1.6  
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OM nucleic - protein search, using frame\_plus\_n2p model

Run on: March 26, 2004, 12:45:36 ; Search time 91.5 Seconds

(Without alignments)  
11982.109 Million cell updates/sec

Title: US-09-824-647-16

Perfect score: 4.03

Sequence: 1 cgcaggcagaccatgtggac.....ataaagttgtcactttctt 2095

Scoring table: BLOSUM62

Xgapop 10.0, Xgapext 0.5  
Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 2130338

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-Q=/cgn2\_1/USPTO\_spool\_p/US09824647/runat\_26032004\_110229\_22374/app\_query.fasta\_1.2247  
-DB=Published Applications AA -OFFMT=fastan -SUFFIX=rapb -MINMATCH=0.1  
-LOOPECL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62  
-FRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR SCORE=pct.THR MAX=100  
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -USER=US09824647 @CGN 1.1.14 @runat\_26032004\_110229\_22374  
-ICPU=6 -ICPU=3 -NO MAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100  
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5  
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications AA:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	3511	85.6	593	9	US-09-824-807-17	Sequence 17, Appl
3	3511	85.6	593	9	US-09-824-647-17	Sequence 17, Appl
4	3511	85.6	593	14	US-10-218-509-17	Sequence 17, Appl
5	3511	85.6	593	14	US-10-281-160-17	Sequence 17, Appl
6	3511	85.6	593	15	US-10-321-587-17	Sequence 17, Appl
7	3492	85.1	621	9	US-09-925-301-1416	Sequence 1416, Ap
8	3472	84.6	593	14	US-10-262-473-6	Sequence 6, Appli
9	2681	65.3	589	9	US-09-813-156-2	Sequence 2, Appli
10	2681	65.3	589	9	US-09-824-807-2	Sequence 2, Appli
11	2681	65.3	589	9	US-09-824-647-2	Sequence 2, Appli
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15	1090	26.6	189	14	US-10-262-473-8	Sequence 8, Appli
16	526	12.8	318	15	US-10-369-493-5246	Sequence 5246, Ap
17	453	11.0	77	9	US-09-864-761-43653	Sequence 43653, A
18	375.5	9.2	1393	12	US-10-312-352-21	Sequence 21, Appl
19	368	9.0	2403	14	US-10-184-644-513	Sequence 513, App
20	368	9.0	2403	14	US-10-184-634-513	Sequence 513, App
21	353	8.6	2764	14	US-10-184-644-117	Sequence 117, App
22	353	8.6	2764	14	US-10-184-634-117	Sequence 117, App
23	349	8.5	1037	15	US-10-052-648A-8	Sequence 8, Appli
24	348	8.5	1037	15	US-10-052-648A-10	Sequence 10, Appl
25	343.5	8.4	3721	12	US-10-142-426-543	Sequence 543, App
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38	343	8.4	1661	12	US-10-142-426-223	Sequence 223, App
39	343	8.4	1661	14	US-10-123-155-223	Sequence 223, App
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44	343	8.4	1661	14	US-10-158-790-223	Sequence 223, App
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## ALIGNMENTS

### RESULT 1

US-09-813-156-17  
; Sequence 17, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 593  
; TYPE: PRT  
; ORGANISM: Human GP88 cDNA  
; US-09-813-156-17

Alignment Scores: 6.54e-195 Length: 593  
Pred. No.:

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Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	85.57%	Indels:	0
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QY	13	ATGTGACCTGTGTAGCTGGTGGCTTAAACAGCAGGCTGGTGGCTGGAACGGGTGC	72
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QY	73	CCAGATGTCAGTTCCTGCTGGCTGTGGCTGTCTGCTGGACCCCGGAGGACCCAGCTACAGC	132
DB	21	ProAspGlyIeuPheCysProValAlaCysCysLeuAspProGlyIeuAlaSerTyrSer	40
QY	133	TGCTGGCGTCCCTTCTGGACAAATGCCACAACTGAGCAGGATCTGGGTGGCCGCC	192
DB	41	CysCysArgProLeuLeuAspLysIleProThrLeuSerArgHisLeuGlyGlyPro	60
QY	193	TGCAGGTTGATGCCCATCTCTCTGCGGCCACTCTCTGCATCTTTACCGTCTCAGGGACT	252
DB	61	CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr	80
QY	253	TCCAGTTGCTGCCCTTCCCAGAGGCCGTGGCATGGCGGATGCCCATCACTGCTGCCCA	312
DB	81	SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisIleCysCysPro	100
QY	313	CGGGCTTCCACTGCAGTGCAGACGGCGCATCTCTTCCAAAGATCAGGTAACTACCTCC	372
DB	101	ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer	120
QY	373	GTGGTGCCCATCCAGTCCCTGTAGTCAGTTCCGAATGCCGGACTTCTCCAGTCTCTGT	432
DB	121	ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys	140
QY	433	GTTATGTCGATGCTCTCGGGGTGCTGCCCCATGCCAGCTTCCCTGCTGTGAGAC	492
DB	141	ValMetValAspGlySerTPGlyCysCysProMetProGlnAlaSerCysGluAsp	160
QY	493	AGGDTGACATGCTCTCCGCACGGTGCCTCTCGACCTGGTTCCACCCGCTGCATCACA	552
DB	161	ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr	180
QY	553	CCACGGGACCCACCCCTGGGAAAGACTCCCTGCCAGAGGACTACACGGGAGTG	612
DB	181	ProThrGlyThrHisProLeuAlaGlyIeuProAlaGlnArgThrAsnArgAlaVal	200
QY	613	GCCTTGTCAGCTCGGTCATGTGCCGAGCGACGGTCCCGGTGCCCTGTATGTTCTACC	672
DB	201	AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr	220
QY	673	TGCTGTGAGCTGCCAGTGGGAAGTATGGTGTGCCCAATGCCCCACGCCACTGCTGC	732
DB	221	CysCysGluLeuProSerGlyIleTyrGlyCysCysProMetProAsnAlaThrCysCys	240
QY	733	TCCGATCACCTGCATGCTGCCCCCAAGACACTGTGTGACCTGTATCCAGAGTAAGTGC	792
DB	241	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	260
QY	793	CTCTCCAGGAAAGCTTACACGAGCTCTCACTAGCTGCTCGGCACACAGTGGCG	852
DB	261	LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly	280
QY	853	GATGTGAATGTGACATGGAGGTGAGCTGCCAGATGGCTATACCTGCTGCCGTCTACAG	912
DB	281	AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln	300
QY	913	TGGGGGCTGGGTGCTGCCCTTTTACCAGGCTGTCTGTGAGGACCCACATACAC	972
DB	301	SerGlyAlaIleTPGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis	320
QY	973	TGCTGTCCCGGGGTTTACGTGTGACACGACAGAGGTAAGTGTGGAACAGGGCCCAAC	1032

RESULT 2  
US-09-824-807-17  
; Sequence 17, Application US/09824807  
; Patent No. US20020094566A1  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 XDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/POO1-A  
; CURRENT APPLICATION NUMBER: US/09/824,807  
; CURRENT FILING DATE: 2001-04-04  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patent In Ver. 2.0

## RESULT 2

US-09-824-807-17

; Sequence 17, Application U

; Patent No. US2002009

; GENERAL INFORMATION:

APPLICANT: Serrero,

; TITLE OF INVENTION:

; FILE REFERENCE: Z99

; CURRENT APPLICATION SETTING DATE

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;  
PRIOR APPLICATION N  
PRIOR FILING DATE.

; PRIOR FILING DATE:  
; PRIOR APPLICATION N

1. PRIOR AFFILIATION IN  
2. PRIOR FILING DATE:

NUMBER OF SEO ID NO

: SOFTWARE: PatentIn

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; SEQ ID NO 17

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; LENGTH: 593







; TITLE OF INVENTION: 58 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/10/218.509  
 ; CURRENT FILING DATE: 2002-08-15  
 ; PRIOR APPLICATION NUMBER: 08/991.862  
 ; PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863.862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: Patent In Ver. 2.0  
 ; SEQ ID NO 17  
 ; LENGTH: 593  
 ; TYPE: PRT  
 ; ORGANISM: Human GP88 cDNA  
 ; US-10-218-509-17

Alignment Scores:  
 Pred. No.: 6,54e-195 Length: 593  
 Score: 3511.00 Matches: 593  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 85.57% Indels: 0  
 DB: 14 Gaps: 0

US-09-824-647-16 (1-2095) x US-10-218-509-17 (1-593)

QY	13	ATGTGGACCTGGTGGAGCTGGTGGCTTAAACAGCAGCGGCTGGTGGTGAACGCGTGC	72
Db	1	MettTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys	20
QY	73	CCAGATGGTCAGTTCCTCCCTGGCTGGCTGGCTGGAGCCCGGAGAGCCAGCTACAGC	132
Db	21	ProaspGlyGlnPheCysProValAlaCysCysLeuAspProGlyAlaSerTyrSer	40
QY	133	TGCTGGCGTCCCTTCGGCAATGGCCACACACTGAGCAGGAGATCTGGTGGCGCCC	192
Db	41	CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro	60
QY	193	TGCCAGGTGATGCCACTGCTCTGCCGGCCACTCTCTGCATCTTTACCGTCTCAGGACT	252
Db	61	CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr	80
QY	253	TCCAGTGTGCTCCCTCCAGAGCGCGTGGCATGGCGGATGCCATCATCTGCTGCCCA	312
Db	81	SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro	100
QY	313	CGGGCTTCCACTGCAGTGACAGCGGCGATCTCTGCTTCCAAAGATCAGGTAAACAATCC	372
Db	101	ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer	120
QY	373	GTGGGTGCATCCAGTGCCTGATAGTCAGTTCGAATGCCGGGACTTCTCAGTGTGT	432
Db	121	ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys	140
QY	433	GTTATGGTCGATGGCTCCTGGGGTGGCTGCCCATGCCAGAGTTCCTGCTGTGAAGAC	492
Db	141	ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGluAsp	160
QY	493	AGGTTGACTGCTGTCCGACCGTCCCTTTCGACCTGCTGTCACCCGCTGATCAACA	552
Db	161	ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr	180
QY	553	CCGAGGACCCACCCCTGGCAAGAGCTCCCTGCCAGAGGACTTAAACAGGGCAGTG	612
Db	181	ProThrGlyThrHisProLeuAlaLysLeuProAlaGlnArgThrAsnArgAlaVal	200
QY	613	GCCTTGTCCAGTCCGTCATGTGCCGACGACCGTCCCGTCCCGTCCCTGATGGTTCACC	672
Db	201	AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr	220
QY	673	TGCTGTGATGCCCGAGTGGAGTATGGCTGCTGCCCAATGCCACAGCCACCTGCTGC	732
Db	221	CysCysGluLeuProSerGlyLysTyrGlyCysCysProMetProAsnAlaThrCysCys	240

QY	733	TCCGATCACTGCACTGCTGCCCCCAAGACAACACTGTGTGTGACCTGATCCAGAGTAAGTGC	792
Db	241	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	260
QY	793	CTCTCCAAGGAGAACGCTTACCACGACCTCTCTACTAAGCTGCTGGCGCACACAGTGGC	852
Db	261	LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly	280
QY	853	GATGTGAATGTGACATGGAGGTGAGCTGCCAGATGGCTATACCTGCTGCCGTCTACAG	912
Db	281	AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln	300
QY	913	TCGGGGGCTGGGGCTGCTGCCCTTTTACCAGAGCTGTGTGCTGTGAGGACACATACAC	972
Db	301	SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysGluAspHisIleHis	320
QY	973	TGCTGTCCCGGGGTTCCTGTGTGACACGACGAGAGGTACTGTGAACAGGGGCCAC	1032
Db	321	CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis	340
QY	1033	CAGTGGCTGGATGGAGAGGCCCGCCAGCTCACCTGAGCTGCCAGACCCACAGACCTTG	1092
Db	341	GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu	360
QY	1093	AAGAGAGATGTCCCTGTGATAATGTACAGCAGCTGTCCCTCTCCGATACCTGTGCGAA	1152
Db	361	LysAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln	380
QY	1153	CTCAGTCTGGGAGTGGGGTGTCTCCAACTCCAGAGGCTGTCTGTCTGCCAGCAC	1212
Db	381	LeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCysSerAspHis	400
QY	1213	CAGCACTGTGCTCCCGCAGCGATACACGTGTGTAGCTGAGGGGCGAGTGTACGAGGAAGC	1272
Db	401	GlnHisCysCysProGlnArgTyrThrCysValAlaGluGlyGlnCysGlnArgGlySer	420
QY	1273	GAGATCGTGGCTGAGTGGAGAGAGTGTCTGCCCGCGCGGTCTTATCCACCCGAGA	1332
Db	421	GluIleValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg	440
QY	1333	GACATCGGCTGTGACACACACAGCTGCCCGTGGCGGGAACCTGTGCCCGCAGCCAG	1392
Db	441	AspIleGlyCysAspGlnHisThrSerCysProValGlyGlyThrCysCysProSerGln	460
QY	1393	GGTGGAGTGGCTGCTGCCAGTGGCCATGTCCTGCTGTGTGTGTGTGTGTGTGTGTGT	1452
Db	461	GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis	480
QY	1453	TGCTCGCGGCTGGTACACCTGCAACGTGAAGGTCTCGATCTGCGAAGAAAGTGTCT	1512
Db	481	CysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGluLysGluValVal	500
QY	1513	TCTGCCAGCTGCCACCTTCTGCGCGGTAGCCCTCCTGCTGTGTGTGTGTGTGTGTGT	1572
Db	501	SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu	520
QY	1573	TCTGGGAGGACACTTCTGCCATCATTAACAGACCTGTGTCGCGAGACACCGACAGGC	1632
Db	521	CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly	540
QY	1633	TGGGCTGTGCTTCTTACGCGCGGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1692
Db	541	TrpAlaCysCysProTrpAlaGlnGlyValCysCysAlaAspArgArgHisCysCysPro	560
QY	1693	GCTGGCTTCCGTGCGCAGCGAGGAGTACCAAGTCTTGGCAGGAGGCGCCCGCGCTGG	1752
Db	561	AlaGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgGluAlaProArgTrp	580
QY	1753	GACCGCTTTCAGGAGCCCGCTTGTGACAGCTGTGCTG 1791	
Db	581	AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593	

RESULT 5

US-10-281-160-17  
 ; Sequence 17, Application US/10281160  
 ; Publication No. US20030108950A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/10/281,160  
 ; CURRENT FILING DATE: 2002-10-28  
 ; PRIOR APPLICATION NUMBER: US/08/991,862  
 ; PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 17  
 ; LENGTH: 593  
 ; TYPE: PRT  
 ; ORGANISM: Human GP88 cDNA  
 ; US-10-281-160-17  
 Alignment Scores:  
 Pred. No.: 6,54e-195 Length: 593  
 Score: 3511.00 Matches: 593  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Indels: 0  
 DB: 85.57%  
 Query Match: 14  
 Gaps: 0  
 US-09-824-647-16 (1-2095) x US-10-281-160-17 (1-593)  
 QY 13 ATGTGGACCTGTGTGAGTGGTGGCTTAAACAGCAGGAGCTGTGTGGTGGACGGGTGC 72  
 Db 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20  
 QY 73 CCGATGCTCAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 132  
 Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTrpSer 40  
 QY 133 TGCTGCCGCTCCCTCTTGGAACAATGGCCCAACACTGAGCAGCAGCAGCAGCAGCAGCAGC 192  
 Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60  
 QY 193 TGCAGGTTGATGCCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252  
 Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysLeuPheThrValSerGlyThr 80  
 QY 253 TCCAGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312  
 Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro 100  
 QY 313 CGGGCTTCCACTGCGATGCGAGCGGGGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372  
 Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120  
 QY 373 GTGGTGCCTATCCAGTGCCTGATAGTTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 432  
 Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140  
 QY 433 GTTATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492  
 Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160  
 QY 493 AGGGTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552  
 Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180  
 QY 553 CCACGGGCAACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 612  
 Db 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200  
 QY 613 GCCTTGTCAGCTCGGTGATGTCCCGCAGCAGCAGTCCCGGTCCCGTCCCTGATGTTCTTACC 672

Db 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220  
 QY 673 TGCTGTGAGCTGCCAGTGGGAAGTATGGCTGCTGCCCAATGCCCAATGCCCAATGCCCAATGCC 732  
 Db 221 CysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsnAlaThrCysCys 240  
 QY 733 TCCGATCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792  
 Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260  
 QY 793 CTCTCCAAAGAGACGCTACCAAGGAGCTCTCACTAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 852  
 Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280  
 QY 853 GATGTGAATGTGACATGAGGTGAGTCCCGCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 912  
 Db 281 AspValLysCysAspMetGluValSerCysProAspGlyTrpThrCysCysArgLeuGln 300  
 QY 913 TCGGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972  
 Db 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320  
 QY 973 TGCTGTCCCGGGGTTTACGTGTGACACGACGAGGAGGTACTGCTGACAGGGGCCCCAC 1032  
 Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGlnGlnGlyProHis 340  
 QY 1033 CAGGTGCT 1092  
 Db 341 GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360  
 QY 1093 AAGAGAGATGCTCCCTGTGTAATGTGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1152  
 Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380  
 QY 1153 CTCAGCTCTGGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212  
 Db 381 LeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis 400  
 QY 1213 CAGCACTGCTGCCCGCAGCATACAGTGTGTAGTGGGGGAGTGTGACGAGGAGGAG 1272  
 Db 401 GlnHisCysCysProGlnArgTrpThrCysValAlaGluGlyGlnCysGlnArgGlySer 420  
 QY 1273 GAGATCTGCT 1332  
 Db 421 GluIleValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg 440  
 QY 1333 GACATCGGCTGTGACACACACAGCTGCCCGGTGGGCGGAACCTGCTGCCCGAGCCAG 1392  
 Db 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlyThrCysCysProSerGln 460  
 QY 1393 GGTGGAGTGGGCT 1452  
 Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480  
 QY 1453 TGTGCGGGAGGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512  
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 Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520  
 QY 1573 TGTGGGGAAGGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632  
 Db 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540  
 QY 1633 TGGGCT 1692  
 Db 541 TrpAlaCysCysProTrpAlaGlnGlyValCysCysAlaAspArgArgHisCysCysPro 560  
 QY 1693 GCTGGCTTCCGCT 1752



QY 1633 TGGCCCTGCTGCTCCCTACGCCGCCAGGCGCTGTTGTGCTGATCGCGCCACTGCTGTCT 1692  
 Db 541 TTPAlaCysCysProTyrAlaGlnGlyValCysCysAlaAspArgHisCysCysPro 560  
 QY 1693 GCTGGCTTCGCTGCGCAGCAGGGGTACCAAGTGTTCGCGAGGAGGCCCGCGCTGG 1752  
 Db 561 AlAGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgGluAlaProArgTrp 580  
 QY 1753 GAGCCGCCCTTTAGGGACCCAGCCCTTGAGACAGCTGCTG 1791  
 Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeu 593

RESULT 7  
 US-09-925-301-1416  
 ; Sequence 1416, Application US/09925301  
 ; Patent No. US20020052308A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: P106  
 ; CURRENT APPLICATION NUMBER: US/09/925,301  
 ; CURRENT FILING DATE: 2001-08-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05882  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1694  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1416  
 ; LENGTH: 621  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-925-301-1416

Alignment Scores:  
 Pred. No.: 8-21e-194 Length: 621  
 Score: 3492.00 Matches: 591  
 Percent Similarity: 98.99% Conservative: 0  
 Best Local Similarity: 98.99% Mismatches: 6  
 Query Match: 85.11% Indels: 0  
 DB: 9 Gaps: 0

US-09-824-647-16 (1-2095) x US-09-925-301-1416 (1-621)

QY 1 CGCAGGCAGACCATGTGGACCTGTGTGAGCTGGGTGGCTTAACAGCAGGCTGTGGCT 60  
 Db 25 ArgArgGlnThrMetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAla 44  
 QY 61 GGAACGGGTGCGCAGATGTCAGTTCTGCTGCGCTGTGCGCTGTGCGACCCCGGAGGA 120  
 Db 45 GlyThrArgCysProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGly 64  
 QY 121 GCCAGCTACAGCTGCTGCGCTGCCCTTCTGGACATGCGCCACCAACTGACGAGGCAT 180  
 Db 65 AlaserTyrSerCysArgProLeuLeuAspLysTrpProThrLeuSerArgHis 84  
 QY 181 CTGGGTGGCCCTGCCAGTGTGATGCCACTGCTCTGCGCGCCACTCTCTGATCTTTACC 240  
 Db 85 LeuGlyGlyProCysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThr 104  
 QY 241 GTCTCAGGACTTCCAGTTGCTGCCCTTCCAGAGCGGTGGCATGGGAGTGGCAT 300  
 Db 105 ValSerGlyThrSerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHis 124  
 QY 301 CATGTGTGCCAGCGGCTTCCAGTGTGATGACGTGACAGCGGCGATCTCTGTTCCAAAGATCA 360  
 Db 125 HisCysCysProArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSer 144  
 QY 361 GGTAAACAATCCGTGGGTGCCATCCAGTGCCTGATGATGATGATGATGATGATGATGAT 420  
 Db 145 GlyAsnAsnSerValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPhe 164  
 QY 421 TCCAGGTGTGTGTATGT 480

165 SerThrCysCysValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSer 184  
 QY 481 TGTGTGTAAGACAGGGTGCACCTGTGTCCGACCGGTGCTTCTCGACCTGTGTTCACACC 540  
 Db 185 CysCysGluAspArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThr 204  
 QY 541 CGTGTGATCACACCCAGCGGACCCACCCCTGTGGCAAGAGCTCCCTGCCACAGGACT 600  
 Db 205 ArgCysIleThrProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThr 224  
 QY 601 AACAGGGCAGTGGCCTTGTCCAGCTGGTTCATGTGTGGAGCGACGGTCCCGGTGGCT 660  
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 QY 661 GATGTGTTCTACCTGTGTGAGTGCAGTGGGAGTATGCTCTGCCCAATGCCCAAC 720  
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 QY 721 GGCACCTGCTGCTCCGATCAGTGCACCTGTGCTGCCCCCAAGACACTGTGTGACCTGATC 780  
 Db 265 AlaThrCysCysSerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuLe 284  
 QY 781 CAGAGTAAAGTGCCTCTCCAAGGAGAACCGCTACACGAGACCTCTCTCACTAAGCTGCTGCG 840  
 Db 285 GlnSerLysCysLeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAla 304  
 QY 841 CACACAGTGGGCGATGTCAATGTGACATGAGGTGAGCTGCCACAGATGCTATACCTGC 900  
 Db 305 HisThrValGlyAspValLysCysAspMetGluValSerCysProAspGlyTyrThrCys 324  
 QY 901 TGCCCTCTACAGTCTGGGGGCGCTGGGGCTGCTGCCCTTTTACCAGGCTGTGTGTGTGAG 960  
 Db 325 CysArgLeuGlnSerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGlu 344  
 QY 961 GACCATACATGCTGTGTCGCCGGGTTCAGTGTGACAGCAGCAGAGGGTACCTGTGAA 1020  
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 QY 1021 CAGGGGCCCCACAGGTGCTGATGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1080  
 Db 365 GlnGlyProHisGlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAsp 384  
 QY 1081 CCACAGCTTGAACAGAGATGTCCTGCTGATGATGATGATGATGATGATGATGATGATGAT 1140  
 Db 385 ProGlnAlaLeuLysArgAspValProCysAspAsnValSerSerCysProSerSerAsp 404  
 QY 1141 ACCTGCTGCCAACTCACGCTCTGGGAGTGGGGCTGCTGTCCAAATCCACAGGCTGTCTGC 1200  
 Db 405 ThrCysCysGlnLeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCys 424  
 QY 1201 TGCTCGGACCCACGACTGCTGCCCGCCAGCATACAGTGTGTGTGTGTGTGTGTGTGTGT 1260  
 Db 425 CysSerAspHisGlnHisCysCysProGlnGlyTyrThrCysValAlaGluGlyGlnCys 444  
 QY 1261 CAGCAGGAGCAGACATCGTGTGAGTGTGAGAGAGTGTGCTGCCCGCGGTGCTCTTA 1320  
 Db 445 GlnArgGlySerGluIleValAlaGlyLeuGluLysMetProAlaArgAlaSerLeu 464  
 QY 1321 TCCACCCCGCAGACATCGGTGTGACCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 1380  
 Db 465 SerHisProArgAspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCys 484  
 QY 1381 TGCCGAGCCAGGTGGAGTGGGCTGTGCTGTCAGTGTGCCCATGTGTGTGTGTGTGTGT 1440  
 Db 485 CysProSerLeuGlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGlu 504  
 QY 1441 GATCCCGCAGCAGTGTGCCCGCTGGCTTACACCTGACACCTGACAGGCTGCTGCTGCGAG 1500  
 Db 505 AspArgGlnHisCysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGlu 524  
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DB:	9	Gaps:	3
US-09-824-647-16 (1-2095) x US-09-824-607-2 (1-589)			
QY	1153	CTCAGCTCTGGGAGTGGGGCTGCTCCAAATCCAGAGAGGCTGTGCTGCTGGACAC	1212
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QY	1213	CAGCACTGCTGCCCGGAGATACAGTGTGTAGCTGAGGGCAGTGTGAGCGAGGAGC	1272
Db	399	GluHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrcysGlnLysGlyAsp	418
QY	1273	GAGATCGTGGCTGAGTGGAGAGATGCTGCTGCCCGGGGTTTCCTATCCACCCCGAGA	1332
Db	419	ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly	438
QY	1333	GACATCGCTGTACACAGACACACAGCTGCCGGTGGGAGACCTGCTGCCCGAGCCAG	1392
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QY	1393	GGTGGGAGCTGGCGCTGCTGCCAGTGTGCCCATGTGTGTGCTGCGAGGATGCCAGCAC	1452
Db	459	LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis	478
QY	1453	TGCTGCCCGCTGGCTACACTGCAAGTGAAGCTCGATCCCTGCGAGAGGAGTGGTC	1512
Db	479	CysCysProAlaGlyTyrcysAsnValLysAlaArgThrCysGluLysAspValAsp	498
QY	1513	TCTGCCAGCTGCCACTTCTCCGGCCGCTAGCCCTCAGCTGGGTGTGAAGGACGTGGAG	1572
Db	499	PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu	516
QY	1573	TGTGGGAGAGCACTTCTGCCATGATAACAGACCTGTGCGGAGACACCGAGGGC	1632
Db	517	CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal	536
QY	1633	TGGGCTGCTGCTCCAGCCAGCGGCTGCTGTGTGCTGATCGGGCGCACTGCTGCTCT	1692
Db	537	TrpAlaCysCysProTyrlLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro	556
QY	1693	GCTGGCTCCGCTCGCAGCAGCGGGTACCAAGTGTGGCGAGGAGGCCCGCGCTGG	1752
Db	557	GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysIleProArgTrp	576
QY	1753	GAGCCCTTGGAGGACCCAGCTTGCAGACAGTGGTG	1791
Db	577	AspMetPheLeuArgAspProValProArgProLeuLeu	589
RESULT 10			
US-09-824-807-2			
; Sequence 2, Application US/09824807			
; Patent No. US20020949661			
; GENERAL INFORMATION:			
; APPLICANT: Serrero, Ginette			
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS			
; FILE REFERENCE: Z9996.488/P001-A			
; CURRENT APPLICATION NUMBER: US/09/824,807			
; CURRENT FILING DATE: 2001-04-04			
; PRIOR APPLICATION NUMBER: 08/991,862			
; PRIOR FILING DATE: 1997-12-16			
; PRIOR APPLICATION NUMBER: 08/863,862			
; PRIOR FILING DATE: 1997-05-23			
; NUMBER OF SEQ ID NOS: 17			
; SOFTWARE: Patent In Ver. 2.0			
; SEQ ID NO 2			
; LENGTH: 589			
; TYPE: PRT			
; ORGANISM: Mouse epithelin/granulin			
US-09-824-807-2			
Alignment Scores:			
Pred. No.: 5,796-147 Length: 589			
Scores: 2681.00 Matches: 439			
Percent Similarity: 83.81% Conservative: 58			
Best Local Similarity: 74.03% Mismatches: 92			
Query Match: 65.34% Indels: 4			

DB:	9	Gaps:	3
US-09-824-647-16 (1-2095) x US-09-824-607-2 (1-589)			
QY	13	ATGTGGACCTGTGAGTGGTGGCTTAACAGAGAGGCTGTGCTGCTGGAACGCGGTGC	72
Db	1	MetTrpValLeuMetSerTrpLeuAlaPheAlaGlyLeuValAlaGlyThrGlnCys	20
QY	73	CCAGATGGTCAGTCTGCTGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	132
Db	21	ProaspGlyGlnPheCysProAlaAlaCysCysLeuAspGlnGlyAlaAsnTySer	40
QY	133	TGCTGCCGCTCCCTTCTGGCAAAATGGCCCAACACTGACAGGCACTCTGGGGTGGCCCC	192
Db	41	CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisHisLeuAspGlySer	60
QY	193	TGCCAGGTGTATGCCACTGCTCTGCCGGCCACTCTTACCGTCTCAGGGACT	252
Db	61	CysGlnThrHisGlyHisCysProAlaGlyTyrcysCysLeuLeuThrValSerGlyThr	80
QY	253	TCCAGTTGCTGCCCTTCCAGAGGCGCTGGCATGCGGGATGCGCCATCATCTGCTGCCCA	312
Db	81	SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyrcysCysPro	100
QY	313	CGGGCTTCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	372
Db	101	GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro	119
QY	373	GTGGTGGCATCCAGTGGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT	432
Db	120	LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys	139
QY	433	GTTATGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	492
Db	140	IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp	159
QY	493	AGGGTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	552
Db	160	ArgValHisCysCysProHisGlyValSerCysAspLeuValHisThrArgCysValSer	179
QY	553	CCACGGGACCCACCCCTGGCAAAGAGTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	612
Db	180	ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnSerAlaVal	199
QY	613	GCTTGTCCAGCTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	672
Db	200	SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspSerThr	219
QY	673	TGCTGTGAGCTGCCAGTGGGAAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	732
Db	220	CysCysGluLeuProThrGlyLysTyrcysCysCysProMetProAsnAlaIleCysCys	239
QY	733	TCCGATCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	792
Db	240	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	259
QY	793	CTCTCCAGGAGAACGCTACACGACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	852
Db	260	LeuSerLys---AsnTyrcysCysCysProAspLeuLeuThrLysLeuProGlyTyrcys	278
QY	853	GATGTGAATGTGATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	912
Db	279	GluValLysCysAspMetGluValSerCysProGluGlyTyrcysCysArgLeuAsn	298
QY	913	TGGGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	972
Db	299	ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysAspHisIleHis	318
QY	973	TGCTGTCCCGGGGTTCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1032
Db	319	CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu	338
QY	1033	CAGGTGCCCTGGATGGAGAGGCCCCCAGCTCACCTCAGCTGCCAGACCCCAAGCCTTG	1092



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Db      339  GlnValGlyTrpMetLysLysValIleAlaProLeuArgLeuProAspProGlnIleLeu 358
QY      1093  AAGAGAGATGTCCTGTTGATATGTCAGCAGCTGTCCTCTCCGATACCTGCTGCGCAA 1152
Db      359  LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY      1153  CTCACGTCTGGAGTGGGCTCTGTCTCAATCCAGAGCTGTGTCTGCTCGACAC 1212
Db      379  LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
QY      1213  CAGACTGTCGCCCCAGACATACAGTGTAGCTGAGCGAGCGAGTGTGAGCGAGGAGC 1272
Db      399  GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTy-CysGlnLysGlyAsp 418
QY      1273  GAGATCTGCTGCTGAGTGGAGAGATGCTGCTGCGCGCGGCTTCTTATCCACCCGAGA 1332
Db      419  ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
QY      1333  GACATCGCTGTGACACAGACACAGCTGCCCGTGGCGGGAACCTGTGCTGCCGAGCCAG 1392
Db      439  AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY      1393  GGTGGAGCTGGGCTGCTCCAGTTCGCCAGTTCGCTGTGTGTGTGTGTGTGTGTGTGTGT 1452
Db      459  LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
QY      1453  TGTGCGCGGCTGCTACACCTCAACGTGAAGCTCGATCTGCGAGAGAGAGTGTCTC 1512
Db      479  CysCysProAlaGlyTyThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
QY      1513  TCTGCCAGCTGCCACCTCTCTGCGCGGTAGCCCTCAGCTGGGTGTGAGGAGCTGTGAG 1572
Db      499  PheIleGlnProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY      1573  TGTGGGGAAGACACTTCTCCATGATAACAGACCTGCTGCGCGAGCAACCGACAGGCG 1632
Db      517  CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY      1633  TGGGCTGCTGCTGCTAGCGCCAGGCGGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTCT 1692
Db      537  TrpAlaCysCysProTyLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY      1693  GCTGCTTCCGCTGCGCACAGGGGTACCAAGTGTGCGAGGAGGAGCCCGCGGCTGG 1752
Db      557  GlyGlyPheHisCysSerAlaAa-glyThrLysCysLeuArgLysLysIleProArgTrp 576
QY      1753  GAGCCCTTGTAGGAGCCAGCTTGAGACAGCTGCTG 1791
Db      577  AspMetPheLeuArgAspProValProArgProLeuLeu 589

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## RESULT 11

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; US-09-824-647-2
; Sequence 2, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 XDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 23996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824, 647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
; US-09-824-647-2

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Alignment Scores:
Pred. No.: 5,79e-147 Length: 589
Score: 2681.00 Matches: 439
Percent Similarity: 83.81% Conservative: 58
Best Local Similarity: 74.03% Mismatches: 92
Query Match: 65.34% Indels: 4
DB: Gaps: 3

US-09-824-647-16 (1-2095) x US-09-824-647-2 (1-589)
QY      13  ATGTGACCTGTGTGAGTGGGTGGCTTAACAGCAGGGCTGGTGGTGGACCGGTGC 72
Db      1  MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY      73  CAGATGCTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 132
Db      21  ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyGlyAlaAsnTy-Ser 40
QY      133  TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 192
Db      41  CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60
QY      193  TGCAGGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db      61  CysGlnThrHisGlyHisCysProAlaGlyTyThrSerCysLeuLeuThrValSerGlyThr 80
QY      253  TCCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312
Db      81  SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyThrHisCysCysPro 100
QY      313  CGGGGCTTCACTGAGTGCAGCGGGGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
Db      101  GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119
QY      373  GTGGGTGCTCATCCAGTGCCTGATAGTTCAGTTCGAATGCCCGGACTTCTCCACCTGTGT 432
Db      120  LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY      433  GTATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492
Db      140  IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159
QY      493  AGGGTGCACCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 552
Db      160  ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY      553  CCCACGGGACCCACCCCTGCAAGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 612
Db      180  ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnSerAlaVal 199
QY      613  GCCTTGTCCAGCTCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
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QY      673  TGCTGTGAGCTGCCAGTGGGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 732
Db      220  CysCysGluLeuProThrGlyLysTyThrGlyCysCysProMetProAsnAlaIleCysCys 239
QY      733  TCCGATCAGCTGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 792
Db      240  SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY      793  CTCTCCAGGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 852
Db      260  LeuSerLys---AsnTyThrThrAspLeuLeuThrLysLeuProGlyTy-ProValLys 278
QY      853  GATGTGAAATGTGACATGAGGTGAGCTGCCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 912
Db      279  GluValLysCysAspMetGluValSerCysProGluGlyTyThrCysCysArgLeuAsn 298
QY      913  TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 972
Db      299  ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysAspAspHisIleHis 318

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QY 973 TCTGTCTCCGCGGTTTACGTGTGACACGAGAAGGTTACCTGTGAACAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyLeu 338
QY 1033 CAGTGTCCCTGGATGAGAGGCCCGCAGCTCACCTCAGCTGCGCAGACCCACACAGCTTG 1092
Db 339 GlnValGlyTyrMetLysLysValLeuAlaProLeuArgLeuProGlnLeu 358
QY 1093 AAGAGAGATGTCCTGTGATATGTCAGACGTCTCCCTCCCGATCTGTCGACAA 1152
Db 359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
QY 1153 CTCACCTCTGGGAGTGGGCTGTGTCCTCAATCCAGAGGCTGTCTGTCTGCGAGCAC 1212
Db 379 LeuAsnSerGlyAspTyrGlyCysProLysProLysProLysProLysProLysProLys 398
QY 1213 CAGCACTGTCTCCCGCAGGATACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1272
Db 399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
QY 1273 GAGATCGTCTGAGTGTGAGAGATGCTGCTGCCCGCGGTTCCTTATCCACCCAGCA 1332
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QY 1333 GACATCGCTGTGACAGCACACAGCTGCCGCGTGTGTGTGTGTGTGTGTGTGTGTGT 1392
Db 439 AspLysGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY 1393 GGTGGAGTGTGGCTGTGCTGCCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
Db 459 LysGlySerTyrPalaCysCysGlnLeuProHisAlaValCysGluAspArgGlnHis 478
QY 1453 TGTGTCCTGGCTGTACACTGTGAAGTGAAGTGTGATCTGCTGCGAAGAAAGTGTCT 1512
Db 479 CysCysProAlaGlyTyrThrCysAsnValLysAlaA-gThrCysGluLysAspValAsp 498
QY 1513 TCTGCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1572
Db 499 PheLysGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY 1573 TGTGGGAAGACACTTGTGCTGATTAACAGACCTGCTGCTGCTGCTGCTGCTGCTGCTG 1632
Db 517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
QY 1633 TGGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
Db 537 TrpAlaCysCysProTyrLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY 1693 GCTGCTTCCGCTGCGCAGCAGGAGTACCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysLysLysProArgTrp 576
QY 1753 GACGCCCCCTTGGAGGACCCAGCTTGTGAGACAGCTGCTG 1791
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## RESULT 12

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US-10-218-509-2
; Sequence 2, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 86 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996 488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0

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; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-218-509-2

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Alignment Scores:
Pred. No.: 5,79e-147 Length: 589
Score: 2681.00 Matches: 439
Percent Similarity: 81.81% Conservative: 58
Best Local Similarity: 74.03% Mismatches: 92
Query Match: 65.34% Indels: 4
DB: 14 Gaps: 3

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US-09-824-647-16 (1-2095) x US-10-218-509-2 (1-589)
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QY 13 ATGTGAGCCCTGTGTGAGTGGTGGCTTAAACAGAGGGTGTGTGTGAACGCGGTGC 72
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTyrSer 40
QY 133 TCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisHisLeuAspGlySer 60
QY 193 TGCCAGGTTGATGCCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTyrSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyrHisCysCysPro 100
QY 313 CGGGCTTCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
Db 101 GlnGlyPheHisCysSerAlaAspGlySerCysPheGlnMetSer---AspAsnPro 119
QY 373 GTGGTGTCCATCCAGTGGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY 433 GTATGTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492
Db 140 IleMetValAspGlySerTrpGlyCysProMetProGlnAlaSerCysGluAsp 159
QY 493 AGGTTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCCAGCGGACCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 612
Db 180 ProThrGlyThrHisThrLeuLeuLysPheProAlaGlnLysThrAsnSerAlaVal 199
QY 613 GCCTTGTCCAGCTCGGTGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
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QY 673 TGCTGTGAGCTGCCAGTGGGAAGTATGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 732
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QY 733 TCCGATCACTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuLeuGlnSerLysCys 259
QY 793 CTCTCCAAAGAGAAAGCTTACCACGAGCTCTCTCACTAAGCTGCTGCTGCTGCTGCTGCT 852
Db 260 LeuSerLys---AsnTyrThrAspLeuLeuThrLysLeuProGlyTyrProValLys 278
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QY 793 CTCCTCAGGAGACGCTACACGAGCTCTCTCACTAAGCTGCTGGCGACACAGTGGC 852  
 Db LeuSerLys---AsnTyThrThrAspLeuLeuThrLysLeuProGlyTyProValLys 278  
 QY 853 GATGTGAATGTGACATGAGTGGTGGCCAGATGCTATACCTGCTGCTGCTACAG 912  
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 QY 913 TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972  
 Db ThrGlyAlaTrpGlyCysCysProPheAlaLysValCysCysAspAspHisLeHis 318  
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 QY 1033 CAGTGGCTGGTGAAGAGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1092  
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 QY 1093 AAGAGAGATGCTCCCTGTGATAATGTCAGAGCTGCTCTCTGCTGCTGCTGCTGCT 1152  
 Db LysSerAspThrProCysAspPheThrArgCysProThrAsnAsnThrCysCysLys 378  
 QY 1153 CTCAGTCTGGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212  
 Db LeuAsnSerGlyAspTrpGlyCysCysProLeuAlaValCysCysSerAspAsn 398  
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RESULT 14  
 US-10-321-587-2  
 ; Sequence 2, Application US/10321587  
 ; Publication No. US20030215445A1

GENERAL INFORMATION:

; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/10/321,587  
 ; CURRENT FILING DATE: 2002-12-18  
 ; PRIOR APPLICATION NUMBER: US/08/991,862  
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 589  
 ; TYPE: PRT  
 ; ORGANISM: Mouse epithelin/granulin  
 US-10-321-587-2

Alignment Scores:

Pred. No.:	5,796-147	Length:	589
Score:	2681.00	Matches:	439
Percent Similarity:	83.81%	Conservative:	58
Best Local Similarity:	74.03%	Mismatches:	92
Query Match:	65.34%	Indels:	4
DB:	15	Gaps:	3

US-09-824-647-16 (1-2095) x US-10-321-587-2 (1-589)

QY	13	ATGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	72
Db	1	MetTrpValLeuMetSerTrpLeuAlaPheAlaGlyLeuValAlaGlyThrGlnCys	20
QY	73	CCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	132
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QY	133	TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	192
Db	41	CysCysAsnProLeuLeuAspThrTrpProArgLeuThrSerHisLeuAspGlySer	60
QY	193	TGCAGGTGTGATGCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	252
Db	61	CysGlnThrHisGlyHisCysProAlaGlyTyThrSerCysLeuLeuThrValSerGlyThr	80
QY	253	TCCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	312
Db	81	SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyThrHisCysPro	100
QY	313	CGGGGCTTCCACTGACGTGACGCGGCGATCCTGCTTCCAAAGATCAGGTAACTCC	372
Db	101	GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro	119
QY	373	GTGGGTGCCATCCAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	432
Db	120	LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys	139
QY	433	GTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	492
Db	140	IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp	159
QY	493	AGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	552
Db	160	ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer	179
QY	553	CCACGGGACCCACCCCTGCGAAAGAGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	612
Db	180	ProThrGlyThrHisThrLeuLeuLysPheProAlaGlnLysThrAsnSerAlaVal	199
QY	613	GCCTTGTCCAGCTCGCTCATGTGTCCGACGACCGTCCCGTGCCTGATGCTTCTACC	672
Db	200	SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr	219
QY	673	TGCTGTGACTGCCACGTGGGAAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	732



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QY 433 GTTATGTCGATGGCTCCTGGGGTGTCTGCCCATGCCAGGCTTCCTGTGTGAAGAC 492
Db |||||
QY 141 ValMetValAspGlySerTrpGlyCysCysProMet--Pro-----G 154
QY 493 AGGGTGCACTGTGTCCGACGGTGCCTTCTGCGACCTGTTTCACACCCGCTGCATCACA 552
Db |||||
QY 154 InGlyAlaLeuLeuSerAlaArgCysLeuLeuArgProGlySerHisProLeuHisHisT 174
QY 553 CCCACGGGACCCACCCCTGGCAAAGAGTCCCTGCCAGAGGAC 599
Db |||||
QY 174 hrHisGlyHisProProGlyLysGluAlaProCysProGluAsp 189
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Search completed: March 26, 2004, 13:05:02  
JOB time : 125.5 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 31.2308 Seconds  
(without alignments)  
117.297 Million cell updates/sec

Title: US-09-824-647-7

Perfect score: 74

Sequence: 1 ARRGTKCLRRAPR 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

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- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	74	100.0	14	9	US-09-824-807-7
3	74	100.0	14	9	US-09-824-647-7
4	74	100.0	14	14	US-10-218-509-7
5	74	100.0	14	14	US-10-281-160-7
6	74	100.0	14	15	US-10-321-587-7
7	74	100.0	593	9	US-09-813-156-17
8	74	100.0	593	9	US-09-824-807-17
9	74	100.0	593	9	US-09-824-647-17
10	74	100.0	593	14	US-10-218-509-17
11	74	100.0	593	14	US-10-281-160-17
12	74	100.0	593	15	US-10-321-587-17
13	68	91.9	593	14	US-10-262-473-6
14	68	91.9	621	9	US-09-925-301-1416
15	53	71.6	14	9	US-09-813-156-5

16	53	71.6	14	9	US-09-824-807-5	Sequence 5, Appli
17	53	71.6	14	9	US-09-824-647-5	Sequence 5, Appli
18	53	71.6	14	14	US-10-218-509-5	Sequence 5, Appli
19	53	71.6	14	14	US-10-281-160-5	Sequence 5, Appli
20	53	71.6	589	9	US-10-321-587-5	Sequence 5, Appli
21	53	71.6	589	9	US-09-813-156-2	Sequence 2, Appli
22	53	71.6	589	9	US-09-824-807-2	Sequence 2, Appli
23	53	71.6	589	14	US-09-824-647-2	Sequence 2, Appli
24	53	71.6	589	14	US-10-218-509-2	Sequence 2, Appli
25	53	71.6	589	14	US-10-281-160-2	Sequence 2, Appli
26	53	71.6	589	15	US-10-321-587-2	Sequence 2, Appli
27	43	58.1	330	12	US-10-425-114-46601	Sequence 46601, A
28	41	55.4	113	10	US-09-975-719-307	Sequence 307, App
29	41	55.4	1083	14	US-10-217-700-11	Sequence 11, Appli
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31	40	54.1	831	15	US-10-369-493-18676	Sequence 18676, A
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34	39	52.7	147	14	US-10-080-170-466	Sequence 466, App
35	39	52.7	255	10	US-09-866-050A-692	Sequence 692, App
36	39	52.7	255	10	US-09-852-472-24	Sequence 24, Appli
37	39	52.7	275	9	US-09-790-264-15	Sequence 15, Appli
38	39	52.7	275	14	US-10-269-353-15	Sequence 15, Appli
39	39	52.7	278	10	US-09-852-472-19	Sequence 19, Appli
40	39	52.7	1121	9	US-09-970-711-28	Sequence 28, Appli
41	38	51.4	87	12	US-10-424-539-146564	Sequence 146564, A
42	38	51.4	119	14	US-10-103-313-525	Sequence 525, App
43	38	51.4	137	14	US-10-103-313-397	Sequence 397, App
44	38	51.4	239	12	US-10-425-114-70681	Sequence 70681, A
45	38	51.4	300	14	US-10-210-428-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1  
US-09-813-156-7  
; Sequence 7, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z3996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Human granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(14)  
; OTHER INFORMATION: Internal peptide of human GP88 used to develop  
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-09-813-156-7

Query Match 100.0%; Score 74; DB 9; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.3e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRAPR 14

DB 1 ARRGTKCLRRAPR 14

RESULT 2

US-09-824-807-7



Sequence 7, Application US/09824807  
Patent No. US20020094966A1  
GENERAL INFORMATION:  
APPLICANT: Serrero, Ginette  
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
FILE REFERENCE: Z9996.488/P001-A  
CURRENT APPLICATION NUMBER: US/09/824,807  
CURRENT FILING DATE: 2001-04-04  
PRIOR APPLICATION NUMBER: 08/991,862  
PRIOR FILING DATE: 1997-12-16  
PRIOR APPLICATION NUMBER: 08/863,862  
PRIOR FILING DATE: 1997-05-23  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Human granulin  
FEATURE:  
NAME/KEY: PEPTIDE  
LOCATION: (1)..(14)  
OTHER INFORMATION: Internal peptide of human GP88 used to develop  
OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-09-824-807-7  
Query Match 100.0%; Score 74; DB 9; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.3e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 ARGTGKCLRREAPR 14  
RESULT 3  
US-09-824-647-7  
Sequence 7, Application US/09824647  
Publication No. US20020183270A1  
GENERAL INFORMATION:  
APPLICANT: Serrero, Ginette  
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
FILE REFERENCE: Z9996.488/P001-A  
CURRENT APPLICATION NUMBER: US/09/824,647  
CURRENT FILING DATE: 2001-04-04  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862  
PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Human granulin  
FEATURE:  
NAME/KEY: PEPTIDE  
LOCATION: (1)..(14)  
OTHER INFORMATION: Internal peptide of human GP88 used to develop  
OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-09-824-647-7  
Query Match 100.0%; Score 74; DB 9; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.3e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ARGTGKCLRREAPR 14  
Db 1 ARGTGKCLRREAPR 14  
RESULT 4  
US-10-218-509-7  
Sequence 7, Application US/10218509

Publication No. US20030092661A1  
GENERAL INFORMATION:  
APPLICANT: Serrero, Ginette  
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
FILE REFERENCE: Z9996.488/P001-A  
CURRENT APPLICATION NUMBER: US/10/218,509  
CURRENT FILING DATE: 2002-08-15  
PRIOR APPLICATION NUMBER: 08/991,862  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 08/863,862  
PRIOR FILING DATE: 1997-05-23  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Human granulin  
FEATURE:  
NAME/KEY: PEPTIDE  
LOCATION: (1)..(14)  
OTHER INFORMATION: Internal peptide of human GP88 used to develop  
OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-10-218-509-7  
Query Match 100.0%; Score 74; DB 14; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.3e-05;  
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Db 1 ARGTGKCLRREAPR 14  
RESULT 5  
US-10-281-160-7  
Sequence 7, Application US/10281160  
Publication No. US20030108950A1  
GENERAL INFORMATION:  
APPLICANT: Serrero, Ginette  
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
FILE REFERENCE: Z9996.488/P001-A  
CURRENT APPLICATION NUMBER: US/10/281,160  
CURRENT FILING DATE: 2002-10-28  
PRIOR APPLICATION NUMBER: US/08/991,862  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 08/863,862  
PRIOR FILING DATE: 1997-05-23  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Human granulin  
FEATURE:  
NAME/KEY: PEPTIDE  
LOCATION: (1)..(14)  
OTHER INFORMATION: Internal peptide of human GP88 used to develop  
OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-10-281-160-7  
Query Match 100.0%; Score 74; DB 14; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.3e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ARGTGKCLRREAPR 14  
Db 1 ARGTGKCLRREAPR 14  
RESULT 6  
US-10-321-587-7  
Sequence 7, Application US/10321587  
Publication No. US20030215445A1

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; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-321-587-7

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Best Local Similarity 100.0%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1  ARRGTKCLRREAPR 14
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RESULT 7
US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-813-156-17

Query Match          100.0%; Score 74; DB 9; Length 593;
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Db      566 ARRGTKCLRREAPR 579
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; Patent No. US2002009466A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
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; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; PRIOR FILING DATE: 2002-12-18
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; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
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; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-824-807-17

Query Match          100.0%; Score 74; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 0.00048;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      566 ARRGTKCLRREAPR 579
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; Publication No. US20020193270A1
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; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-824-647-17

Query Match          100.0%; Score 74; DB 9; Length 593;
Best Local Similarity 100.0%; Pred. No. 0.00048;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ARRGTKCLRREAPR 14
Db      566 ARRGTKCLRREAPR 579
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RESULT 10
US-10-218-509-17
; Sequence 17, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
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; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-10-218-509-17
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Query Match 100.0%; Score 74; DB 14; Length 593;  
 Best Local Similarity 100.0%; Pred. No. 0.00048;  
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 DB 566 ARRGTKCLRRREAPR 579

RESULT 11  
 US-10-281-160-17  
 ; Sequence 17, Application US/10281160  
 ; Publication No. US20030108950A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: Z9996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/10/281,160  
 ; CURRENT FILING DATE: 2002-10-28  
 ; PRIOR APPLICATION NUMBER: US/08/991,862  
 ; PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 17  
 ; LENGTH: 593  
 ; TYPE: PRT  
 ; ORGANISM: Human GP88 cDNA  
 US-10-281-160-17

Query Match 100.0%; Score 74; DB 14; Length 593;  
 Best Local Similarity 100.0%; Pred. No. 0.00048;  
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14  
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 DB 566 ARRGTKCLRRREAPR 579

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 ; Sequence 17, Application US/10321587  
 ; Publication No. US20030215445A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: Z9996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/10/321,587  
 ; CURRENT FILING DATE: 2002-12-18  
 ; PRIOR APPLICATION NUMBER: US/08/991,862  
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 17  
 ; LENGTH: 593  
 ; TYPE: PRT  
 ; ORGANISM: Human GP88 cDNA  
 US-10-321-587-17

Query Match 100.0%; Score 74; DB 15; Length 593;  
 Best Local Similarity 100.0%; Pred. No. 0.00048;  
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14  
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 DB 566 ARRGTKCLRRREAPR 579

RESULT 13

US-10-262-473-6  
 ; Sequence 6, Application US/10262473  
 ; Publication No. US20030199442A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Alsobrook, John  
 ; APPLICANT: Burgess, Catherine,  
 ; APPLICANT: Gorman, Linda,  
 ; APPLICANT: Guo, Xiaojia,  
 ; APPLICANT: Lepley, Denise,  
 ; APPLICANT: Patturajan, Meera,  
 ; APPLICANT: Rastelli, Luca,  
 ; APPLICANT: Reiser, Daniel,  
 ; APPLICANT: Spytek, Kimberly,  
 ; APPLICANT: Zhong, Mei  
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO  
 ; FILE REFERENCE: 21402-462B  
 ; CURRENT APPLICATION NUMBER: US/10/262,473  
 ; CURRENT FILING DATE: 2003-01-28  
 ; PRIOR APPLICATION NUMBER: 60/327,917  
 ; PRIOR FILING DATE: 2001-10-09  
 ; PRIOR APPLICATION NUMBER: 60/328,029  
 ; PRIOR FILING DATE: 2001-10-09  
 ; PRIOR APPLICATION NUMBER: 60/328,056  
 ; PRIOR FILING DATE: 2001-10-09  
 ; PRIOR APPLICATION NUMBER: 60/349,575  
 ; PRIOR FILING DATE: 2001-10-29  
 ; PRIOR APPLICATION NUMBER: 60/381,038  
 ; PRIOR FILING DATE: 2002-05-16  
 ; NUMBER OF SEQ ID NOS: 22  
 ; SOFTWARE: Curaseqlist version 0.1  
 ; SEQ ID NO 6  
 ; LENGTH: 593  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-262-473-6

Query Match 91.9%; Score 68; DB 14; Length 593;  
 Best Local Similarity 92.9%; Pred. No. 0.0049;  
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14  
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 DB 566 ARRGTKCLRRREAPR 579

RESULT 14  
 US-09-925-301-1416  
 ; Sequence 1416, Application US/09925301  
 ; Patent No. US20020052308A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: PA106  
 ; CURRENT APPLICATION NUMBER: US/09/925,301  
 ; CURRENT FILING DATE: 2001-08-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05882  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1694  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1416  
 ; LENGTH: 621  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-925-301-1416

Query Match 91.9%; Score 68; DB 9; Length 621;  
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 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ARRGTKCLRRREAPR 14  
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Db      594 AARGTKCLRREAPR 607

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; Sequence 5, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRI
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antiserum against the GP88 used in the
; OTHER INFORMATION: immunofluorescence step.
US-09-813-156-5

Query Match      71.6%; Score 53; DB 9; Length 14;
Best Local Similarity 75.0%; Pred. No. 0.041;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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Db      3 RGTGKLRKKIPR 14

Search completed: March 26, 2004, 12:48:35
Job time : 31.4308 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 42.3846 Seconds  
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117.297 Million cell updates/sec

Title: US-09-824-647-6

Perfect score: 98

Sequence: 1 EKAPAHLSLPDPQALKRDV 19

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 14: /cgm2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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2	98	100.0	19	9 US-09-824-647-6	Sequence 6, Appli
3	98	100.0	19	9 US-09-824-647-6	Sequence 6, Appli
4	98	100.0	19	14 US-10-218-509-6	Sequence 6, Appli
5	98	100.0	19	14 US-10-281-160-6	Sequence 6, Appli
6	98	100.0	19	15 US-10-321-587-6	Sequence 6, Appli
7	98	100.0	593	9 US-09-813-156-17	Sequence 17, Appl
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9	98	100.0	593	14 US-10-218-509-17	Sequence 17, Appl
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11	98	100.0	593	14 US-10-321-587-17	Sequence 17, Appl
12	98	100.0	593	14 US-10-282-473-6	Sequence 6, Appli
13	98	100.0	593	15 US-10-321-587-17	Sequence 17, Appl
14	98	100.0	621	9 US-09-925-301-1416	Sequence 1416, Ap
15	50	51.0	589	9 US-09-813-156-2	Sequence 2, Appli

16	50	51.0	589	9	US-09-824-647-2	Sequence 2, Appli
17	50	51.0	589	9	US-09-824-647-2	Sequence 2, Appli
18	50	51.0	589	14	US-10-218-509-2	Sequence 2, Appli
19	50	51.0	589	14	US-10-281-160-2	Sequence 2, Appli
20	50	51.0	589	15	US-10-321-587-2	Sequence 2, Appli
21	49	50.0	795	15	US-10-369-493-8226	Sequence 8226, Ap
22	48	49.0	116	14	US-10-029-386-34157	Sequence 34157, A
23	48	49.0	712	9	US-09-364-847-51	Sequence 51, Appl
24	47	48.0	828	15	US-10-144-194A-96	Sequence 96, Appl
25	47	48.0	917	12	US-10-412-699B-1657	Sequence 1657, Ap
26	47	48.0	917	15	US-10-374-780A-1624	Sequence 1624, Ap
27	47	48.0	2677	15	US-10-144-194A-22	Sequence 22, Appl
28	46.5	47.4	422	15	US-10-369-493-3307	Sequence 3307, Ap
29	46	46.9	833	12	US-10-282-122A-68007	Sequence 68007, A
30	46	46.9	833	15	US-10-369-493-14004	Sequence 14004, A
31	46	46.9	2115	14	US-10-288-948-4	Sequence 4, Appli
32	46	46.9	2150	14	US-10-208-948-27	Sequence 27, Appl
33	45	45.9	59	9	US-09-864-761-34773	Sequence 34773, A
34	45	45.9	551	15	US-10-369-493-15697	Sequence 15697, A
35	45	45.9	551	15	US-10-369-493-16088	Sequence 16088, A
36	45	45.9	624	15	US-10-369-493-15330	Sequence 15330, A
37	44.5	45.4	439	8	US-08-973-363-19	Sequence 19, Appl
38	44.5	45.4	1434	8	US-08-973-363-20	Sequence 20, Appl
39	44.5	45.4	1795	8	US-08-973-363-17	Sequence 17, Appl
40	44	44.9	19	9	US-09-813-156-3	Sequence 3, Appli
41	44	44.9	19	9	US-09-824-647-3	Sequence 3, Appli
42	44	44.9	19	9	US-09-824-647-3	Sequence 3, Appli
43	44	44.9	19	14	US-10-218-509-3	Sequence 3, Appli
44	44	44.9	19	14	US-10-281-160-3	Sequence 3, Appli
45	44	44.9	19	15	US-10-321-587-3	Sequence 3, Appli

## ALIGNMENTS

### RESULT 1

US-09-813-156-6  
; Sequence 6, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; PRIOR FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Human granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(19)  
; OTHER INFORMATION: Internal peptide of human GP88 used to develop  
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-09-813-156-6

Query Match 100.0%; Score 98; DB 9; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5,2e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDPQALKRDV 19

Db 1 EKAPAHLSLPDPQALKRDV 19

### RESULT 2

US-09-824-647-6

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; Sequence 6, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-824-807-6

Query Match      100.0%; Score 98; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 3
US-09-824-647-6
; Sequence 6, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-09-824-647-6

Query Match      100.0%; Score 98; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 EKAPAHLSLPDPQALKRDV 19

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US-10-218-509-6
; Sequence 6, Application US/10218509

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; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
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; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-218-509-6

Query Match      100.0%; Score 98; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
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Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 5
US-10-281-160-6
; Sequence 6, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of human GP88 used to develop
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.
US-10-281-160-6

Query Match      100.0%; Score 98; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 EKAPAHLSLPDPQALKRDV 19

RESULT 6
US-10-321-597-6
; Sequence 6, Application US/10321597
; Publication No. US20030215445A1

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: APPLICANT: Sertero, Gnette  
 : TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 : FILE REFERENCE: 29396.488/P001-A  
 : CURRENT APPLICATION NUMBER: US/09/824,807  
 : CURRENT FILING DATE: 2001-04-04



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; LENGTH: 593
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-473-6

Query Match      100.0%; Score 98; DB 14; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 11
US-10-281-160-17
; Sequence 17, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-10-281-160-17

Query Match      100.0%; Score 98; DB 14; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 12
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; Publication No. US20030199442A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John.
; APPLICANT: Burgess, Catherine,
; APPLICANT: Gorman, Linda,
; APPLICANT: Guo, Xiaojia,
; APPLICANT: Lepley, Denise,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Reiser, Daniel,
; APPLICANT: Spytex, Kimberly,
; APPLICANT: Zhong, Wei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-462B
; CURRENT APPLICATION NUMBER: US/10/262,473
; CURRENT FILING DATE: 2003-01-28
; PRIOR FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/349,575
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/381,038
; PRIOR FILING DATE: 2002-05-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 6

Query Match      100.0%; Score 98; DB 9; Length 621;
Best Local Similarity 100.0%; Pred. No. 2e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
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Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 13
US-10-321-587-17
; Sequence 17, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-12-18
; PRIOR FILING DATE: US/08/991,862
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-10-321-587-17

Query Match      100.0%; Score 98; DB 15; Length 593;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19
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Db 346 EKAPAHLSLPDPQALKRDV 364

RESULT 14
US-09-925-301-1416
; Sequence 1416, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1416
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-301-1416

Query Match      100.0%; Score 98; DB 9; Length 621;
Best Local Similarity 100.0%; Pred. No. 2e-06;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      374 EKAPAHLSLPDPQALKRDV 392

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US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match      51.0%; Score 50; DB 9; Length 589;
Best Local Similarity 61.1%; Pred.No. 35;
Matches 11; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

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Db      344 KKVIAPLRPLPDPQILKSD 361

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Job time : 43.5846 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

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Title: US-09-824-647-5

Perfect score: 73

Sequence: 1 SARGTKCLRKIPR 14

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Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 13: /cgn2\_6/ptodata/2/pubaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	73	100.0	14	9	US-09-813-156-5
2	73	100.0	14	9	US-09-824-647-5
3	73	100.0	14	9	US-09-824-647-5
4	73	100.0	14	14	US-10-218-509-5
5	73	100.0	14	14	US-10-281-160-5
6	73	100.0	14	15	US-10-321-587-5
7	73	100.0	589	9	US-09-813-156-2
8	73	100.0	589	9	US-09-824-647-2
9	73	100.0	589	9	US-09-824-647-2
10	73	100.0	589	14	US-10-218-509-2
11	73	100.0	589	14	US-10-281-160-2
12	73	100.0	589	15	US-10-321-587-2
13	58	79.5	593	14	US-10-262-473-6
14	58	79.5	621	9	US-09-925-301-1416
15	53	72.6	14	9	US-09-813-156-7

16	53	72.6	14	9	US-09-824-647-7	Sequence 7, Appli
17	53	72.6	14	9	US-09-824-647-7	Sequence 7, Appli
18	53	72.6	14	14	US-10-218-509-7	Sequence 7, Appli
19	53	72.6	14	14	US-10-281-160-7	Sequence 7, Appli
20	53	72.6	14	15	US-10-321-587-7	Sequence 7, Appli
21	53	72.6	593	9	US-09-813-156-17	Sequence 17, Appl
22	53	72.6	593	9	US-09-824-647-17	Sequence 17, Appl
23	53	72.6	593	9	US-09-824-647-17	Sequence 17, Appl
24	53	72.6	593	14	US-10-218-509-17	Sequence 17, Appl
25	53	72.6	593	14	US-10-281-160-17	Sequence 17, Appl
26	53	72.6	593	15	US-10-321-587-17	Sequence 17, Appl
27	43	58.9	51	11	US-09-864-408A-6484	Sequence 6484, Ap
28	40	54.8	89	12	US-10-424-599-255221	Sequence 255221,
29	40	54.8	255	10	US-03-866-050A-692	Sequence 692, App
30	40	54.8	255	10	US-03-866-050A-692	Sequence 692, App
31	40	54.8	275	9	US-09-790-264-15	Sequence 15, Appl
32	40	54.8	275	14	US-10-269-353-15	Sequence 15, Appl
33	40	54.8	278	10	US-09-852-472-19	Sequence 19, Appl
34	40	54.8	555	12	US-10-282-122A-77997	Sequence 77997, A
35	39	53.4	29	14	US-10-091-166B-15	Sequence 15, Appl
36	39	53.4	29	14	US-10-272-121-15	Sequence 15, Appl
37	39	53.4	29	14	US-10-409-366-15	Sequence 15, Appl
38	39	53.4	29	14	US-10-409-366-15	Sequence 15, Appl
39	39	53.4	30	14	US-10-091-166B-16	Sequence 16, Appl
40	39	53.4	30	14	US-10-091-166B-16	Sequence 16, Appl
41	39	53.4	30	14	US-10-272-121-16	Sequence 16, Appl
42	39	53.4	30	14	US-10-272-121-16	Sequence 16, Appl
43	39	53.4	30	14	US-10-409-366-16	Sequence 16, Appl
44	39	53.4	30	14	US-10-409-366-16	Sequence 16, Appl
45	39	53.4	30	14	US-10-409-532-16	Sequence 16, Appl

## ALIGNMENTS

### RESULT 1

US-09-813-156-5  
; Sequence 5, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 5  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: mouse granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(14)  
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
; OTHER INFORMATION: antisera against the GP88 used in the  
; OTHER INFORMATION: immunoaffinity step.  
US-09-813-156-5

Query Match 100.0%; Score 73; DB 9; Length 14;  
Best Local Similarity 100.0%; Pred. No. 6.9e-06;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SARGTKCLRKIPR 14

Db 1 SARGTKCLRKIPR 14

### RESULT 2

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US-09-824-807-5
; Sequence 5, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-807-5

Query Match 100.0%; Score 73; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 1 SARGTKCLRKKIPR 14

RESULT 3
US-09-824-647-5
; Sequence 5, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-5

Query Match 100.0%; Score 73; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 1 SARGTKCLRKKIPR 14

RESULT 4
US-10-218-509-5
; Sequence 5, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-218-509-5

Query Match 100.0%; Score 73; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 SARGTKCLRKKIPR 14

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US-10-281-160-5
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; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-281-160-5

Query Match 100.0%; Score 73; DB 14; Length 14;
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Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
Db 1 SARGTKCLRKKIPR 14
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; Publication No. US2003021545A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulin
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-321-587-5

Query Match      100.0%; Score 73; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKTKIPR 14
DB      1 SARGTKCLRKTKIPR 14
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RESULT 7
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKTKIPR 14
DB      562 SARGTKCLRKTKIPR 575
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RESULT 8
US-09-824-807-2
; Sequence 2, Application US/09824807
; Patent No. US20020094966A1

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; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-807-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
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QY      1 SARGTKCLRKTKIPR 14
DB      562 SARGTKCLRKTKIPR 575
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RESULT 9
US-09-824-647-2
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; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-824-647-2

Query Match      100.0%; Score 73; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.00027;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SARGTKCLRKTKIPR 14
DB      562 SARGTKCLRKTKIPR 575
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RESULT 10
US-10-218-509-2
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; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17

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; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-10-218-509-2

Query Match 100.0%; Score 73; DB 14; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.00027;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 11  
US-10-281-160-2  
; Sequence 2, Application US/10281160  
; Publication No. US20030108950A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/10/281,160  
; CURRENT FILING DATE: 2002-10-28  
; PRIOR APPLICATION NUMBER: US/08/991,862  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-10-281-160-2

Query Match 100.0%; Score 73; DB 14; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.00027;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 12  
US-10-321-587-2  
; Sequence 2, Application US/10321587  
; Publication No. US20030215445A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/10/321,587  
; CURRENT FILING DATE: 2002-12-18  
; PRIOR APPLICATION NUMBER: US/08/991,862  
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-10-321-587-2

Query Match 100.0%; Score 73; DB 15; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.00027;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 13  
US-10-262-473-6  
; Sequence 6, Application US/10262473  
; Publication No. US20030199442A1  
; GENERAL INFORMATION:  
; APPLICANT: Alsbrook, John,  
; APPLICANT: Burgess, Catherine,  
; APPLICANT: Gorman, Linda,  
; APPLICANT: Guo, Xiaojia,  
; APPLICANT: Lepley, Denise,  
; APPLICANT: Patturajan, Meera,  
; APPLICANT: Rastelli, Luca,  
; APPLICANT: Reiger, Daniel,  
; APPLICANT: Spytek, Kimberly,  
; APPLICANT: Zhong, Wei  
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
; FILE REFERENCE: 21402-462B  
; CURRENT APPLICATION NUMBER: US/10/262,473  
; CURRENT FILING DATE: 2003-01-28  
; PRIOR APPLICATION NUMBER: 60/327,917  
; PRIOR FILING DATE: 2001-10-09  
; PRIOR APPLICATION NUMBER: 60/328,029  
; PRIOR FILING DATE: 2001-10-09  
; PRIOR APPLICATION NUMBER: 60/328,056  
; PRIOR FILING DATE: 2001-10-09  
; PRIOR APPLICATION NUMBER: 60/349,575  
; PRIOR FILING DATE: 2001-10-29  
; PRIOR APPLICATION NUMBER: 60/381,038  
; PRIOR FILING DATE: 2002-05-16  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Curasequest version 0.1  
; SEQ ID NO 6  
; LENGTH: 593  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-262-473-6

Query Match 79.5%; Score 58; DB 14; Length 593;  
Best Local Similarity 71.4%; Pred. No. 0.11;  
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 566 AARGTKCLRREAPR 579

RESULT 14  
US-09-925-301-1416  
; Sequence 1416, Application US/09925301  
; Patent No. US20020052308A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA106  
; CURRENT APPLICATION NUMBER: US/09/925,301  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05882  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1694  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1416  
; LENGTH: 621  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-925-301-1416

Query Match 79.5%; Score 58; DB 9; Length 621;  
 Best Local Similarity 71.4%; Pred. No. 0.12;  
 Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;  
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 Db 594 AARGTKCLRREAPR 607

RESULT 15  
 US-09-813-156-7  
 ; Sequence 7, Application US/09813156  
 ; Patent No. US20020061859A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serreio, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: Z9996.486/P001-A  
 ; CURRENT APPLICATION NUMBER: US/09/813,156  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1997-12-16  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 7  
 ; LENGTH: 14  
 ; TYPE: PRT  
 ; ORGANISM: Human granulin  
 ; FEATURE:  
 ; NAME/KEY: PEPTIDE  
 ; LOCATION: (1)..(14)  
 ; OTHER INFORMATION: Internal peptide of human GP88 used to develop  
 ; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
 US-09-813-156-7

Query Match 72.6%; Score 53; DB 9; Length 14;  
 Best Local Similarity 75.0%; Pred. No. 0.021;  
 Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
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 Db 3 RGTCLRREAPR 14

Search completed: March 26, 2004, 12:48:34  
 Job time : 31.4308 secs



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OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 26.7692 Seconds  
(without alignments)  
117.297 Million cell updates/sec

Title: US-09-824-647-4

Perfect score: 69

Sequence: 1 PDAKTQCPDDST 12

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	69	100.0	12	9 US-09-824-807-4	Sequence 4, Appli
3	69	100.0	12	9 US-09-824-647-4	Sequence 4, Appli
4	69	100.0	12	14 US-10-218-509-4	Sequence 4, Appli
5	69	100.0	12	14 US-10-281-160-4	Sequence 4, Appli
6	69	100.0	12	15 US-10-321-587-4	Sequence 4, Appli
7	69	100.0	589	9 US-09-813-156-2	Sequence 2, Appli
8	69	100.0	589	9 US-09-824-807-2	Sequence 2, Appli
9	69	100.0	589	9 US-09-824-647-2	Sequence 2, Appli
10	69	100.0	589	14 US-10-218-509-2	Sequence 2, Appli
11	69	100.0	589	14 US-10-281-160-2	Sequence 2, Appli
12	69	100.0	589	15 US-10-321-587-2	Sequence 2, Appli
13	51	73.9	593	9 US-09-813-156-17	Sequence 17, Appli
14	51	73.9	593	9 US-09-824-807-17	Sequence 17, Appli
15	51	73.9	593	9 US-09-824-647-17	Sequence 17, Appli

16	51	73.9	593	14	US-10-218-509-17	Sequence 17, Appli
17	51	73.9	593	14	US-10-281-160-17	Sequence 17, Appli
18	51	73.9	593	14	US-10-262-473-6	Sequence 6, Appli
19	51	73.9	593	15	US-10-321-587-17	Sequence 17, Appli
20	51	73.9	621	9	US-09-925-301-1416	Sequence 1416, Ap
21	44	63.8	364	15	US-10-369-493-19208	Sequence 19208, A
22	43	62.3	318	15	US-10-262-473-8	Sequence 8, Appli
23	43	62.3	318	15	US-10-389-493-5246	Sequence 5246, Ap
24	40	58.0	779	12	US-10-282-122A-61669	Sequence 61669, A
25	38	55.1	37	9	US-09-864-761-44137	Sequence 44137, A
26	38	55.1	93	12	US-10-424-599-176853	Sequence 176853,
27	38	55.1	94	9	US-09-789-561-129	Sequence 129, Ap
28	38	55.1	94	11	US-09-833-245-2115	Sequence 2115, Ap
29	38	55.1	706	15	US-10-369-493-17066	Sequence 17066, A
30	38	55.1	726	12	US-10-425-114-54008	Sequence 54008, A
31	38	55.1	1283	15	US-10-369-493-6817	Sequence 6817, Ap
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33	37	53.6	115	12	US-10-424-599-231113	Sequence 231113,
34	37	53.6	118	15	US-10-393-840-130	Sequence 130, App
35	37	53.6	193	12	US-10-425-114-46784	Sequence 46784, A
36	37	53.6	398	9	US-09-864-761-37818	Sequence 37818, A
37	37	53.6	416	14	US-10-029-386-13414	Sequence 33414, A
38	37	53.6	418	12	US-10-424-599-186411	Sequence 186411,
39	37	53.6	431	12	US-10-425-114-51428	Sequence 51428, A
40	37	53.6	791	12	US-10-282-122A-61149	Sequence 61149, A
41	37	53.6	791	15	US-10-104-047-2307	Sequence 2307, Ap
42	37	53.6	1320	15	US-10-168-659-13	Sequence 13, Appli
43	36	52.9	356	15	US-10-369-493-10419	Sequence 10419, A
44	36	52.2	38	14	US-10-133-128-145	Sequence 145, App
45	36	52.2	38	14	US-10-289-660-145	Sequence 145, App

#### ALIGNMENTS

#### RESULT 1

US-09-813-156-4  
; Sequence 4, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: 29996 488/P001-A  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: mouse granulatin  
; FEATURES:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)...(12)  
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
; OTHER INFORMATION: antisera against the GP88 used in the  
; OTHER INFORMATION: immunoaffinity step.  
US-09-813-156-4

Query Match 100.0%; Score 69; DB 9; Length 12;

Best Local Similarity 100.0%; Pred. No. 9.2e+05; Indels 0; Gaps 0;  
Matches 12; Conservative 0; Mismatches 0;

Qv 1 PDAKTQCPDDST 12

Db 1 PDAKTQCPDDST 12

#### RESULT 2

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US-09-824-807-4
; Sequence 4, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
;
US-09-824-807-4
Query Match 100.0%; Score 69; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

RESULT 3
US-09-824-647-4
; Sequence 4, Application US/09824647
; Publication No. US20020183270A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
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US-09-824-647-4
Query Match 100.0%; Score 69; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

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RESULT 4
US-10-218-509-4
; Sequence 4, Application US/10218509
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
;
US-10-218-509-4
Query Match 100.0%; Score 69; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

RESULT 5
US-10-281-160-4
; Sequence 4, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
;
US-10-281-160-4
Query Match 100.0%; Score 69; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 1 PDAKTQCPDDST 12

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RESULT 6  
 US-10-321-587-4  
 ; Sequence 4, Application US/10321587  
 ; Publication No. US20030215445A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT FILING DATE: 2001-04-04  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1997-12-16  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 4  
 ; LENGTH: 12  
 ; TYPE: PRT  
 ; ORGANISM: mouse granulatin  
 ; NAME/KEY: PEPTIDE  
 ; LOCATION: (1)-(12)  
 ; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
 ; OTHER INFORMATION: antisera against the GP88 used in the  
 ; OTHER INFORMATION: immunoaffinity step.  
 US-10-321-587-4

Query Match 100.0%; Score 69; DB 15; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 9.2e-05;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDST 12  
 DB 1 PDAKTCPPDST 12

RESULT 7  
 US-09-813-156-2  
 ; Sequence 2, Application US/09813156  
 ; Patent No. US20020061859A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1997-12-16  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 589  
 ; TYPE: PRT  
 ; ORGANISM: Mouse epithelin/granulin  
 US-09-813-156-2

Query Match 100.0%; Score 69; DB 9; Length 589;  
 Best Local Similarity 100.0%; Pred. No. 0.0053;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDST 12  
 DB 208 PDAKTCPPDST 219

RESULT 8  
 US-09-824-807-2  
 ; Sequence 2, Application US/09824807  
 ; Patent No. US20020094966A1

; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT FILING DATE: 2001-04-04  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1997-12-16  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 589  
 ; TYPE: PRT  
 ; ORGANISM: Mouse epithelin/granulin  
 US-09-824-807-2

Query Match 100.0%; Score 69; DB 9; Length 589;  
 Best Local Similarity 100.0%; Pred. No. 0.0053;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDST 12  
 DB 208 PDAKTCPPDST 219

RESULT 9  
 US-09-824-647-2  
 ; Sequence 2, Application US/09824647  
 ; Publication No. US20020183270A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT FILING DATE: 2001-04-04  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 589  
 ; TYPE: PRT  
 ; ORGANISM: Mouse epithelin/granulin  
 US-09-824-647-2

Query Match 100.0%; Score 69; DB 9; Length 589;  
 Best Local Similarity 100.0%; Pred. No. 0.0053;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDST 12  
 DB 208 PDAKTCPPDST 219

RESULT 10  
 US-10-218-509-2  
 ; Sequence 2, Application US/10218509  
 ; Publication No. US20030092661A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT FILING DATE: 2002-08-15  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1998-08-17  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-10-218-509-2

Query Match 100.0%; Score 69; DB 14; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.0053;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PDAKTCPPDDST 12  
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Db 208 PDAKTCPPDDST 219

## RESULT 11

US-10-281-160-2  
; Sequence 2, Application US/10281160  
; Publication No. US20030108950A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/10/281,160  
; PRIOR FILING DATE: 2002-10-28  
; PRIOR APPLICATION NUMBER: US/08/991,862  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-10-281-160-2

Query Match 100.0%; Score 69; DB 14; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.0053;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PDAKTCPPDDST 12  
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Db 208 PDAKTCPPDDST 219

## RESULT 12

US-10-321-587-2  
; Sequence 2, Application US/10321587  
; Publication No. US20030215445A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/10/321,587  
; PRIOR FILING DATE: 2002-12-18  
; PRIOR APPLICATION NUMBER: US/08/991,862  
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-10-321-587-2

Query Match 100.0%; Score 69; DB 15; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.0053;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PDAKTCPPDDST 12  
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Db 208 PDAKTCPPDDST 219

## RESULT 13

US-09-813-156-17  
; Sequence 17, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 593  
; TYPE: PRT  
; ORGANISM: Human GP88 cDNA  
US-09-813-156-17

Query Match 73.9%; Score 51; DB 9; Length 593;  
Best Local Similarity 66.7%; Pred. No. 4.6;  
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

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Db 209 PDARSRCPDGST 220

## RESULT 14

US-09-824-807-17  
; Sequence 17, Application US/09824807  
; Patent No. US20020094965A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/824,807  
; CURRENT FILING DATE: 2001-04-04  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 593  
; TYPE: PRT  
; ORGANISM: Human GP88 cDNA  
US-09-824-807-17

Query Match 73.9%; Score 51; DB 9; Length 593;  
Best Local Similarity 66.7%; Pred. No. 4.6;  
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PDAKTCPPDDST 12  
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Db 209 PDARSRCPDGST 220

## RESULT 15

US-09-824-647-17  
; Sequence 17, Application US/09824647  
; Publication No. US20020183270A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette

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; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-824-647-17

Query Match      73.9%; Score 51; DB 9; Length 593;
Best Local Similarity 66.7%; Pred.No. 4.6;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Oy      1 PDAKTQCPDDST 12
Db      209 PDARSRCFDGST 220
      |||::|||
      |||::|||

Search completed: March 26, 2004, 12:48:34
Job time : 27.9692 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 26, 2004, 12:27:45 ; Search time 42.3846 Seconds  
(without alignments)  
117.297 Million cell updates/sec

Title: US-09-824-647-3

Perfect score: 96  
Sequence: 1 KKVIAAPRLPDQILKSDT 19

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US05\_NEW PUB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	96	100.0	19	9 US-09-813-156-3	Sequence 3, Appli
2	96	100.0	19	9 US-09-824-807-3	Sequence 3, Appli
3	96	100.0	19	9 US-09-824-647-3	Sequence 3, Appli
4	96	100.0	19	14 US-10-218-509-3	Sequence 3, Appli
5	96	100.0	19	14 US-10-281-160-3	Sequence 3, Appli
6	96	100.0	19	15 US-10-321-587-3	Sequence 3, Appli
7	89	92.7	589	9 US-09-813-156-2	Sequence 2, Appli
8	89	92.7	589	9 US-09-824-807-2	Sequence 2, Appli
9	89	92.7	589	9 US-09-824-647-2	Sequence 2, Appli
10	89	92.7	589	14 US-10-218-509-2	Sequence 2, Appli
11	89	92.7	589	14 US-10-281-160-2	Sequence 2, Appli
12	89	92.7	589	15 US-10-321-587-2	Sequence 2, Appli
13	47	49.0	92	9 US-09-800-971-11	Sequence 11, Appli
14	47	49.0	189	12 US-10-425-114-60601	Sequence 60601, A
15	46	47.9	824	14 US-10-226-844-1	Sequence 1, Appli

16	46	47.9	824	14	US-10-210-951-58	Sequence 58, Appli
17	46	47.9	824	14	US-10-211-884-58	Sequence 58, Appli
18	44	45.8	19	9	US-09-813-156-6	Sequence 6, Appli
19	44	45.8	19	9	US-09-824-807-6	Sequence 6, Appli
20	44	45.8	19	9	US-09-824-647-6	Sequence 6, Appli
21	44	45.8	19	14	US-10-218-509-6	Sequence 6, Appli
22	44	45.8	19	14	US-10-281-160-6	Sequence 6, Appli
23	44	45.8	19	15	US-10-321-587-6	Sequence 6, Appli
24	44	45.8	319	14	US-10-156-761-1112	Sequence 1112, A
25	44	45.8	593	9	US-09-813-156-17	Sequence 17, Appli
26	44	45.8	593	9	US-09-824-807-17	Sequence 17, Appli
27	44	45.8	593	9	US-09-824-647-17	Sequence 17, Appli
28	44	45.8	593	14	US-10-218-509-17	Sequence 17, Appli
29	44	45.8	593	14	US-10-281-160-17	Sequence 17, Appli
30	44	45.8	593	14	US-10-262-473-6	Sequence 6, Appli
31	44	45.8	593	15	US-10-321-587-17	Sequence 17, Appli
32	44	45.8	593	15	US-10-369-493-3753	Sequence 3753, Ap
33	44	45.8	621	9	US-09-925-301-1416	Sequence 1416, Ap
34	44	45.8	753	12	US-10-425-114-59733	Sequence 59733, A
35	43	44.8	238	12	US-10-425-114-59562	Sequence 59562, A
36	43	44.8	434	12	US-10-425-114-70140	Sequence 70140, A
37	43	44.8	439	12	US-10-425-114-65495	Sequence 65495, A
38	43	44.8	444	12	US-10-425-114-71267	Sequence 71267, A
39	43	44.8	560	15	US-10-369-493-2184	Sequence 2184, Ap
40	43	44.8	595	10	US-09-849-138-2	Sequence 2, Appli
41	43	44.8	595	10	US-09-849-138-4	Sequence 4, Appli
42	43	44.8	595	10	US-09-849-138-6	Sequence 6, Appli
43	43	44.8	596	9	US-09-797-039-8	Sequence 8, Appli
44	43	44.8	596	10	US-09-849-138-8	Sequence 8, Appli
45	43	44.8	596	10	US-09-849-138-31	Sequence 31, Appli

## ALIGNMENTS

### RESULT 1

US-09-813-156-3  
; Sequence 3, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Sertero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813.156  
; PRIORITY FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: mouse granulatin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(19)  
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
; OTHER INFORMATION: antisera against the GP88 used in the  
; OTHER INFORMATION: immunoaffinity step.  
US-09-813-156-3

Query Match 100.0%; Score 96; DB 9; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KKVIAAPRLPDQILKSDT 19

Db 1 KKVIAAPRLPDQILKSDT 19

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US-09-824-807-3
; Sequence 3, Application US/09824807
; Patent No. US20020094966A1
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-807-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

RESULT 3
US-09-824-647-3
; Sequence 3, Application US/09824647
; Patent No. US20020183270A1
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,647
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

US-09-824-647-3
; Sequence 3, Application US/09824807
; Patent No. US20020094966A1
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
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; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-824-647-3

Query Match 100.0%; Score 96; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

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RESULT 4
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; Sequence 3, Application US/10218509
; Patent No. US20030092661A1
; Publication No. US20030092661A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/218,509
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-218-509-3

Query Match 100.0%; Score 96; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

RESULT 5
US-10-281-160-3
; Sequence 3, Application US/10281160
; Patent No. US20030108950A1
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Sertero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granulin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-10-281-160-3

Query Match 100.0%; Score 96; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 5e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPOILKSDT 19
DB 1 KKVIAPRRRLPDPOILKSDT 19

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RESULT 6  
US-10-321-587-3  
; Sequence 3, Application US/10321587  
; Publication No. US2003021545A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/10/321.587  
; CURRENT FILING DATE: 2002-12-18  
; PRIOR APPLICATION NUMBER: US/08/991.862  
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: mouse granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(19)  
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
; OTHER INFORMATION: antisera against the GP88 used in the  
; OTHER INFORMATION: immunoaffinity step.  
US-10-321-587-3

Query Match 100.0%; Score 96; DB 15; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
DB 1 KKVIAPRRRLPDPQILKSDT 19

RESULT 7  
US-09-813-156-2  
; Sequence 2, Application US/09813156  
; Patent No. US20020061859A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813.156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991.862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863.862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-09-813-156-2

Query Match 92.7%; Score 89; DB 9; Length 589;  
Best Local Similarity 94.7%; Pred. No. 2.1e-05;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 8  
US-09-824-807-2  
; Sequence 2, Application US/09824807  
; Patent No. US20020094966A1

; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/824.807  
; CURRENT FILING DATE: 2001-04-04  
; PRIOR APPLICATION NUMBER: 08/991.862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863.862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-09-824-807-2

Query Match 92.7%; Score 89; DB 9; Length 589;  
Best Local Similarity 94.7%; Pred. No. 2.1e-05;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 9  
US-09-824-647-2  
; Sequence 2, Application US/09824647  
; Publication No. US20020183270A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/824.647  
; CURRENT FILING DATE: 2001-04-04  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/991.862  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/863.862  
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-09-824-647-2

Query Match 92.7%; Score 89; DB 9; Length 589;  
Best Local Similarity 94.7%; Pred. No. 2.1e-05;  
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 10  
US-10-218-509-2  
; Sequence 2, Application US/10218509  
; Publication No. US20030092661A1  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 86 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/10/218.509  
; CURRENT FILING DATE: 2002-08-15  
; PRIOR APPLICATION NUMBER: 08/991.862  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 08/863.862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-218-509-2

Query Match          92.7%; Score 89; DB 14; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KVIAPRLPDPQILKSDT 19
Db 344 KVIAPRLPDPQILKSDT 362

RESULT 11
US-10-281-160-2
; Sequence 2, Application US/10281160
; Publication No. US20030108950A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/281,160
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-281-160-2

Query Match          92.7%; Score 89; DB 14; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KVIAPRLPDPQILKSDT 19
Db 344 KVIAPRLPDPQILKSDT 362

RESULT 12
US-10-321-587-2
; Sequence 2, Application US/10321587
; Publication No. US20030215445A1
; GENERAL INFORMATION:
; APPLICANT: Seriero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/10/321,587
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/08/991,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-10-321-587-2

Query Match          92.7%; Score 89; DB 15; Length 589;
Best Local Similarity 94.7%; Pred. No. 2.1e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KVIAPRLPDPQILKSDT 19
Db 344 KVIAPRLPDPQILKSDT 362

RESULT 13
US-09-800-971-11
; Sequence 11, Application US/09800971
; Patent No. US20020098577A1
; GENERAL INFORMATION:
; APPLICANT: Rachel A. Meyers
; TITLE OF INVENTION: 16835, A NOVEL HUMAN PHOSPHOLIPASE C
; FILE REFERENCE: 10448-023001
; CURRENT APPLICATION NUMBER: US/09/800,971
; CURRENT FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/187,453
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 60/188,032
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus sequence
US-09-800-971-11

Query Match          49.0%; Score 47; DB 9; Length 92;
Best Local Similarity 50.0%; Pred. No. 10;
Matches 9; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 2 KVIAPRLPDPQILKSDT 19
Db 5 KIISARNLPDPYKVSKT 22

RESULT 14
US-10-425-114-60601
; Sequence 60601, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kowalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 60601
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3597-065-F8_FLI.pep
US-10-425-114-60601

Query Match          49.0%; Score 47; DB 12; Length 189;
Best Local Similarity 47.1%; Pred. No. 21;
Matches 8; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 KVIAPRLPDPQILKSDT 17
Db 160 QRCVAPTPTDPEALQA 176

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Fri Mar 26 17:57:08 2004

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RESULT 15
US-10-226-844-1
; Sequence 1, Application US/10226844
; Publication No. US20030113764A1
; GENERAL INFORMATION:
; APPLICANT: Bodary, Sarah C.
; APPLICANT: Fisher, Karen L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMORS
; FILE REFERENCE: P1773R1
; CURRENT APPLICATION NUMBER: US/10/226,844
; CURRENT FILING DATE: 2002-08-22
; PRIOR APPLICATION NUMBER: US/09/627,202
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: US 60/146,217
; PRIOR FILING DATE: 1999-07-28
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 1
; LENGTH: 824
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-226-844-1

Query Match      47.9%; Score 46; DB 14; Length 824;
Best Local Similarity 43.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY      2 KVIAPRRLPDPQILKS 17
Db      30 EVVLPRLRLEPRVRA 45

Search completed: March 26, 2004, 12:48:33
Job time : 42.5846 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 15.5897 Seconds  
(without alignments)  
62.919 Million cell updates/sec

Title: US-09-824-647-6

Perfect score: 98

Sequence: 1 EKAPAHLSLPDQALKRDV 19

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*

- 1: /cgn2\_6/ptodata/2/iaa/5A-COMB.pap.\*
- 2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pap.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A-COMB.pap.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B-COMB.pap.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS-COMB.pap.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	98	100.0	19	4	US-08-991-862-6
2	98	100.0	19	4	US-09-813-156-6
3	98	100.0	593	1	US-07-668-648-4
4	98	100.0	593	2	US-08-429-998-4
5	98	100.0	593	2	US-08-431-333-4
6	98	100.0	593	4	US-08-991-862-17
7	98	100.0	593	4	US-09-813-156-17
8	98	100.0	593	5	PCT-US91-02321-4
9	63	64.3	589	1	US-07-668-648-2
10	63	64.3	589	2	US-08-429-998-2
11	63	64.3	589	2	US-08-431-333-2
12	63	64.3	589	5	PCT-US91-02321-2
13	53	54.1	179	1	US-07-668-648-8
14	53	54.1	179	2	US-08-429-998-8
15	53	54.1	179	2	US-08-431-333-8
16	53	54.1	179	5	PCT-US91-02321-8
17	50	51.0	589	4	US-08-991-862-2
18	50	51.0	589	4	US-08-813-156-2
19	44	44.9	19	4	US-08-991-862-3
20	44	44.9	19	4	US-09-813-156-3
21	44	44.9	188	4	US-09-489-039A-12034
22	44	44.9	238	4	US-09-489-039A-7819
23	44	44.9	493	4	US-09-252-991A-23421
24	44	44.9	589	1	US-07-668-648-6
25	44	44.9	589	2	US-08-429-998-6
26	44	44.9	589	2	US-08-431-333-6
27	44	44.9	589	5	PCT-US91-02321-6

28	43.5	44.4	368	4	US-09-252-991A-25012	Sequence 25012, A
29	43.5	44.4	804	4	US-09-252-991A-23789	Sequence 23789, A
30	43	43.9	55	4	US-09-621-976-5483	Sequence 5483, Ap
31	43	43.9	183	4	US-09-252-991A-23725	Sequence 23725, A
32	43	43.9	479	4	US-09-723-368-2	Sequence 2, Appli
33	43	43.9	622	4	US-09-328-352-7970	Sequence 7970, Ap
34	42	42.9	141	4	US-09-252-991A-27362	Sequence 27362, A
35	42	42.9	252	4	US-09-252-991A-24259	Sequence 24259, A
36	41.5	42.3	423	4	US-09-252-991A-22774	Sequence 22774, A
37	41	41.8	242	4	US-09-328-352-6208	Sequence 6208, Ap
38	41	41.8	297	4	US-09-489-039A-8167	Sequence 8167, Ap
39	41	41.8	409	3	US-08-807-342B-8	Sequence 8, Appli
40	41	41.8	745	1	US-08-136-277-2	Sequence 2, Appli
41	41	41.8	745	3	US-08-479-403-2	Sequence 2, Appli
42	41	41.8	745	3	US-08-835-734-2	Sequence 2, Appli
43	40.5	41.3	219	4	US-09-252-991A-29488	Sequence 29488, A
44	40.5	41.3	408	3	US-09-315-793-32	Sequence 32, Appli
45	40	40.8	110	4	US-09-540-236-2859	Sequence 2859, Ap

## ALIGNMENTS

### RESULT 1

US-08-991-862-6 ; Sequence 6, Application US/08991862  
; Patent No. 6309826 ; *unpublished*  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: 29996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/08/991,862  
; CURRENT FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863,862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Human granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(19)  
; OTHER INFORMATION: Internal peptide of human GP88 used to develop  
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-08-991-862-6

Query Match 100.0%; Score 98; DB 4; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.3e-09;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EKAPAHLSLPDQALKRDV 19  
Db 1 EKAPAHLSLPDQALKRDV 19

### RESULT 2

US-09-813-156-6 ; Sequence 6, Application US/09813156,  
; Patent No. 6670183 ; *unpublished*  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: 29996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 6  
 ; LENGTH: 19  
 ; TYPE: PRT  
 ; ORGANISM: Human granulin  
 ; FEATURE:  
 ; NAME/KEY: PEPTIDE  
 ; LOCATION: (1)..(19)  
 ; OTHER INFORMATION: Internal peptide of human gp88 used to develop  
 ; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
 US-09-813-156-6

Query Match 100.0%; Score 98; DB 4; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-09;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19  
 DB 1 EKAPAHLSLPDPQALKRDV 19

RESULT 3  
 US-07-668-648-4  
 ; Sequence 4, Application US/07668648  
 ; Patent No. 5416192  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07668,648  
 ; FILING DATE: 19910819  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mistock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-161-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212)790-9090  
 ; TELEFAX: (212)869-9741  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 593 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-07-668-648-4

Query Match 100.0%; Score 98; DB 1; Length 593;  
 Best Local Similarity 100.0%; Pred. No. 7.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19  
 DB 346 EKAPAHLSLPDPQALKRDV 364

RESULT 4  
 US-08-429-998-4  
 ; Sequence 4, Application US/08429998

; Patent No. 5855961  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Plowman, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08429,998  
 ; FILING DATE: 27-APR-1995  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/668,648  
 ; FILING DATE: 13-MAR-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mistock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-161-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212)790-9090  
 ; TELEFAX: (212)869-9741  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 593 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-429-998-4

Query Match 100.0%; Score 98; DB 2; Length 593;  
 Best Local Similarity 100.0%; Pred. No. 7.4e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19  
 DB 346 EKAPAHLSLPDPQALKRDV 364

RESULT 5  
 US-08-431-333-4  
 ; Sequence 4, Application US/08431333  
 ; Patent No. 5965723  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Plowman, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:

Fri Mar 26 17:57:11 2004

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/ APPLICATION NUMBER: US/08/431,333
/ FILING DATE: 27-APR-1995
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/668,648
/ FILING DATE: 13-MAR-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mirock, S. Leslie
/ REGISTRATION NUMBER: 18,872
/ REFERENCE/DOCKET NUMBER: 5624-161-999
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 790-9090
/ TELEFAX: (212) 869-9741
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 593 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-431-333-4

Query Match      100.0%; Score 98; DB 2; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 6
US-08-991-862-17
/ Sequence 17, Application US/08991862
/ Patent No. 6309826
/ GENERAL INFORMATION:
/ APPLICANT: Seriero, Ginette
/ TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
/ FILE REFERENCE: Z9996.488/P001-A
/ CURRENT APPLICATION NUMBER: US/08/991,862
/ CURRENT FILING DATE: 1998-08-17
/ EARLIER APPLICATION NUMBER: 08/863,862
/ EARLIER FILING DATE: 1997-05-23
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 17
/ TYPE: PRT
/ ORGANISM: Human GP88 cDNA
/ US-08-991-862-17

Query Match      100.0%; Score 98; DB 4; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 7
US-09-813-156-17
/ Sequence 17, Application US/09813156
/ Patent No. 6670183
/ GENERAL INFORMATION:
/ APPLICANT: Seriero, Ginette
/ TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
/ FILE REFERENCE: Z9996.488/P001-A
/ CURRENT APPLICATION NUMBER: US/09/813,156
/ CURRENT FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 08/991,862
/ PRIOR FILING DATE: 1997-12-16
/ PRIOR APPLICATION NUMBER: 08/863,862
/ PRIOR FILING DATE: 1997-05-23
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/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 17
/ LENGTH: 593
/ TYPE: PRT
/ ORGANISM: Human GP88 cDNA
/ US-09-813-156-17

Query Match      100.0%; Score 98; DB 4; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 8
PCT-US91-02321-4
/ Sequence 4, Application PC/TUS9102321
/ GENERAL INFORMATION:
/ APPLICANT: Shoyab, Mohammed
/ APPLICANT: Shoyab, Mohammed, Gregory D.
/ TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
/ TITLE OF INVENTION: MODULATING PROTEINS
/ NUMBER OF SEQUENCES: 12
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Bristol-Myers Squibb Company
/ STREET: 3005 First Avenue
/ CITY: Seattle
/ STATE: Washington
/ COUNTRY: USA
/ ZIP: 98121
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US91/02321
/ FILING DATE: 19910403
/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Poor, Brian W. 32,928
/ REGISTRATION NUMBER:
/ REFERENCE/DOCKET NUMBER: ON0071A-PC
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206) 728-4800
/ TELEFAX: (206) 448-4775
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 593 amino acids
/ TYPE: AMINO ACID
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ PCT-US91-02321-4

Query Match      100.0%; Score 98; DB 5; Length 593;
Best Local Similarity 100.0%; Pred. No. 7.4e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EKAPAHLSLPDPQALKRDV 19
Db      346 EKAPAHLSLPDPQALKRDV 364

RESULT 9
US-07-668-648-2
/ Sequence 2, Application US/07668648
/ Patent No. 5416192
/ GENERAL INFORMATION:
/ APPLICANT: Shoyab, Mohammed
/ APPLICANT: Shoyab, Mohammed, Gregory D.
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; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

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Query Match 64.3%; Score 63; DB 1; Length 589;
Best Local Similarity 68.4%; Pred. No. 0.036;
Matches 13; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

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QY 1 EKAPAHLSLPDPQALKRDV 19
;
; 344 KKVTASLSLDPQLKNDV 362

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RESULT 10
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:

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; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-429-998-2

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Query Match 64.3%; Score 63; DB 2; Length 589;
Best Local Similarity 68.4%; Pred. No. 0.036;
Matches 13; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

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QY 1 EKAPAHLSLPDPQALKRDV 19
;
; 344 KKVTASLSLDPQLKNDV 362

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RESULT 11
US-08-431-333-2
; Sequence 2, Application US/08431333
; Patent No. 5955723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-431-333-2

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Query Match 64.3%; Score 63; DB 2; Length 589;
Best Local Similarity 68.4%; Pred. No. 0.036;
Matches 13; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

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QY 1 EKAPAHLSLPDPQALKRDV 19
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;

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Db 344 KKVTAHSLPDPQILKNDV 362

## RESULT 12

PCT-US91-02321-2  
; Sequence 2, Application PC/TUS9102321  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plozman, Gregory D.  
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bristol-Myers Squibb Company  
; STREET: 3005 First Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98121

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US91/02321  
; FILING DATE: 19910403  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Poor, Brian W.  
; REGISTRATION NUMBER: 32,928  
; REFERENCE/DOCKET NUMBER: ON0071A-PC  
; TELEPHONE: (206)728-4800  
; TELEFAX: (206)448-4775  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 589 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; PCT-US91-02321-2

Query Match 64.3%; Score 63; DB 5; Length 589;  
Best Local Similarity 68.4%; Pred. No. 0.036;  
Matches 13; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19

Db 344 KKVTAHSLPDPQILKNDV 362

## RESULT 13

US-07-668-648-8  
; Sequence 8, Application US/07668648  
; Patent No. 5416192  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plozman, Gregory D.  
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/668,648  
; FILING DATE: 19910819  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Misrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)790-9090  
; TELEFAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 179 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-07-668-648-8

Query Match 54.1%; Score 53; DB 1; Length 179;  
Best Local Similarity 63.2%; Pred. No. 0.38;  
Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19

Db 118 KKAFAHLSLDDLGAVEGDV 136

## RESULT 14

US-08-429-998-8  
; Sequence 8, Application US/08429998  
; Patent No. 5885961  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plozman, Gregory D.  
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/429,998  
; FILING DATE: 27-APR-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/668,648  
; FILING DATE: 13-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Misrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)790-9090  
; TELEFAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 179 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-429-998-8



Query Match 54.1%; Score 53; DB 2; Length 179;  
 Best Local Similarity 63.2%; Pred. No. 0.38;  
 Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19  
 :|||||||:|:|  
 Db 118 KKAPAHLSLLDLGAVEGDV 136

## RESULT 15

US-08-431-333-8  
 ; Sequence 6, Application US/08431333  
 ; Patent No. 5865723  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Flawman, Gregory D.  
 ; TITLE OF INVENTION: EPIHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/431.333  
 ; FILING DATE: 27-APR-1995  
 ; CLASSIFICATION: 536  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/668,648  
 ; FILING DATE: 13-MAR-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mirock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-161-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 869-9741  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 179 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-431-333-8

Query Match 54.1%; Score 53; DB 2; Length 179;  
 Best Local Similarity 63.2%; Pred. No. 0.38;  
 Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 EKAPAHLSLPDPQALKRDV 19  
 :|||||||:|:|  
 Db 118 KKAPAHLSLLDLGAVEGDV 136

Search completed: March 26, 2004, 12:29:50  
 Job time : 16.5897 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 11.4872 Seconds  
(without alignments)  
62.919 Million cell updates/sec

Title: US-09-824-647-7  
Perfect score: 74  
Sequence: 1 ARRTKCLRRREAPR 14

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	14	US-08-991-862-7	Sequence 7, Appli
2	74	100.0	14	US-09-813-156-7	Sequence 7, Appli
3	74	100.0	593	US-08-991-862-17	Sequence 17, Appli
4	74	100.0	593	US-09-813-156-17	Sequence 17, Appli
5	68	91.9	593	US-07-668-648-4	Sequence 4, Appli
6	68	91.9	593	US-08-429-998-4	Sequence 4, Appli
7	68	91.9	593	US-08-431-333-4	Sequence 4, Appli
8	68	91.9	593	PCT-US91-02321-4	Sequence 4, Appli
9	53	71.6	14	US-08-991-862-5	Sequence 5, Appli
10	53	71.6	14	US-09-813-156-5	Sequence 5, Appli
11	53	71.6	589	US-07-668-648-6	Sequence 6, Appli
12	53	71.6	589	US-08-429-998-6	Sequence 6, Appli
13	53	71.6	589	US-08-431-333-6	Sequence 6, Appli
14	53	71.6	589	US-08-991-862-2	Sequence 2, Appli
15	53	71.6	589	US-09-813-156-2	Sequence 2, Appli
16	53	71.6	589	PCT-US91-02321-6	Sequence 6, Appli
17	51	68.9	589	US-07-668-648-2	Sequence 2, Appli
18	51	68.9	589	US-08-429-998-2	Sequence 2, Appli
19	51	68.9	589	US-08-431-333-2	Sequence 2, Appli
20	51	68.9	589	PCT-US91-02321-2	Sequence 2, Appli
21	46	62.2	327	US-09-252-991A-16720	Sequence 16720, A
22	46	59.5	261	US-09-252-991A-33140	Sequence 33140, A
23	43	58.1	143	US-09-252-991A-18653	Sequence 18653, A
24	42	56.8	236	US-09-252-991A-29311	Sequence 29311, A
25	42	56.8	551	US-09-252-991A-26416	Sequence 26416, A
26	41	55.4	107	US-09-489-039A-11041	Sequence 11041, A
27	41	55.4	113	US-09-199-637A-307	Sequence 307, App

28	41	55.4	252	4	US-09-252-991A-19905	Sequence 19905, A
29	41	55.4	301	3	US-09-230-421-2	Sequence 2, Appli
30	41	55.4	1083	4	US-09-394-272-11	Sequence 11, Appli
31	40	54.1	121	4	US-09-252-991A-30495	Sequence 30495, A
32	40	54.1	151	4	US-09-252-991A-32108	Sequence 32108, A
33	40	54.1	218	4	US-09-252-991A-29904	Sequence 29904, A
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35	40	54.1	326	4	US-09-252-991A-21574	Sequence 21574, A
36	40	54.1	341	4	US-09-252-991A-32656	Sequence 32656, A
37	40	54.1	369	4	US-09-252-991A-32123	Sequence 32123, A
38	40	54.1	422	2	US-08-712-072C-2	Sequence 2, Appli
39	40	54.1	481	4	US-09-252-991A-25586	Sequence 25586, A
40	40	54.1	490	4	US-09-252-991A-16991	Sequence 16991, A
41	40	54.1	775	4	US-09-252-991A-22300	Sequence 22300, A
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43	40	54.1	1156	3	US-09-429-516-1	Sequence 1, Appli
44	40	54.1	1156	3	US-09-429-516-3	Sequence 3, Appli
45	40	54.1	1238	4	US-09-252-991A-26363	Sequence 26363, A

## ALIGNMENTS

RESULT 1  
US-08-991-862-7  
; Sequence 7, Application US/08991862  
; Patent No. 6309826  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/08/991,862  
; CURRENT FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863,862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Human granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(14)  
; OTHER INFORMATION: Internal peptide of human GP88 used to develop  
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-08-991-862-7

Query Match 100.0%; Score 74; DB 4; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.6e-06;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARRTKCLRRREAPR 14  
| | | | | | | | | | | | | | | |  
Db 1 ARRTKCLRRREAPR 14

RESULT 2  
US-09-813-156-7  
; Sequence 7, Application US/09813156  
; Patent No. 6670183  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARRGTKCLRREAPR 14  
Db 566 ARRGTKCLRREAPR 579

RESULT 5  
US-07-668-648-4  
; Sequence 4, Application US/07668648  
; Patent No. 5416192  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/668,648  
; FILING DATE: 19910819  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mistrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 593 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-07-668-648-4

Query Match 91.9%; Score 68; DB 1; Length 593;  
Best Local Similarity 92.9%; Pred. No. 0.0007;  
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ARRGTKCLRREAPR 14  
Db 566 ARRGTKCLRREAPR 579

RESULT 6  
US-08-429-998-4  
; Sequence 4, Application US/08429998  
; Patent No. 5885961  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA

SEQ ID NO 7  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Human granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(14)  
; OTHER INFORMATION: Internal peptide of human GP88 used to develop  
; OTHER INFORMATION: neutralizing anti-human GP88 monoclonal antibody.  
US-09-813-156-7

Query Match 100.0%; Score 74; DB 4; Length 14;  
Best Local Similarity 100.0%; Pred. No. 1.1e-06;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARRGTKCLRREAPR 14  
Db 1 ARRGTKCLRREAPR 14

RESULT 3  
US-08-991-862-17  
; Sequence 17, Application US/08991862  
; Patent No. 6309826  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/08/991,862  
; CURRENT FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863,862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 593  
; TYPE: PRT  
; ORGANISM: Human GP88 cdNA  
US-08-991-862-17

Query Match 100.0%; Score 74; DB 4; Length 593;  
Best Local Similarity 100.0%; Pred. No. 6.5e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ARRGTKCLRREAPR 14  
Db 566 ARRGTKCLRREAPR 579

RESULT 4  
US-09-813-156-17  
; Sequence 17, Application US/09813156  
; Patent No. 6670183  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 593  
; TYPE: PRT  
; ORGANISM: Human GP88 cdNA  
US-09-813-156-17

Query Match 100.0%; Score 74; DB 4; Length 593;  
Best Local Similarity 100.0%; Pred. No. 6.5e-05;

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; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-429-998-4

Query Match          91.9%; Score 68; DB 2; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ARRGTKCLRREAPR 14
Db      566 AARGTKCLRREAPR 579

RESULT 7
US-08-431-333-4
; Sequence 4, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plozman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741

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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-431-333-4

Query Match          91.9%; Score 68; DB 2; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ARRGTKCLRREAPR 14
Db      566 AARGTKCLRREAPR 579

RESULT 8
PCT-US91-02321-4
; Sequence 4, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plozman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 728-4800
; TELEFAX: (206) 448-4775
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-4

Query Match          91.9%; Score 68; DB 5; Length 593;
Best Local Similarity 92.9%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ARRGTKCLRREAPR 14
Db      566 AARGTKCLRREAPR 579

RESULT 9
US-08-991-862-5
; Sequence 5, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

```

```

; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991.862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863.862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-08-991-862-5

Query Match          71.6%; Score 53; DB 4; Length 14;
Best Local Similarity 75.0%; Pred. No. 0.0065;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRREAPR 14
Db 3 RGTKCLRKKIPR 14

RESULT 10
US-09-813-156-5
; Sequence 5, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A/813.156
; CURRENT APPLICATION NUMBER: US/09/813.156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991.862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863.862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-5

Query Match          71.6%; Score 53; DB 4; Length 14;
Best Local Similarity 75.0%; Pred. No. 0.0065;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRREAPR 14
Db 3 RGTKCLRKKIPR 14

RESULT 11
US-07-668-648-6
; Sequence 6, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH

```

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; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-6

Query Match          71.6%; Score 53; DB 1; Length 589;
Best Local Similarity 75.8%; Pred. No. 0.027;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRREAPR 14
Db 564 RGTKCLRKKIPR 575

RESULT 12
US-08-429-998-6
; Sequence 6, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie

```

REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELEPHONE: (212)790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-429-998-6

Query Match 71.6%; Score 53; DB 2; Length 589;  
Best Local Similarity 75.0%; Pred. No. 0.27;  
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14  
DB 564 RGTKCLRRKIPR 575

RESULT 13  
US-08-431-333-6  
Sequence 6, Application US/08431333  
Patent No. 5965723  
GENERAL INFORMATION:  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Plowman, Gregory D.  
TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/431,333  
FILING DATE: 27-APR-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/668,648  
FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELEPHONE: (212)790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-431-333-6

Query Match 71.6%; Score 53; DB 2; Length 589;  
Best Local Similarity 75.0%; Pred. No. 0.27;  
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14  
DB 564 RGTKCLRRKIPR 575

RESULT 14  
US-08-991-862-2  
Sequence 2, Application US/08991862  
Patent No. 6309826  
GENERAL INFORMATION:  
APPLICANT: Sertero, Ginette  
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
FILE REFERENCE: 29996.488/P001-A  
CURRENT APPLICATION NUMBER: US/08/991,862  
CURRENT FILING DATE: 1998-08-17  
EARLIER FILING DATE: 1997-05-23  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 589  
TYPE: PRT  
ORGANISM: Mouse epithelin/granulin  
US-08-991-862-2

Query Match 71.6%; Score 53; DB 4; Length 589;  
Best Local Similarity 75.0%; Pred. No. 0.27;  
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14  
DB 564 RGTKCLRRKIPR 575

RESULT 15  
US-09-813-156-2  
Sequence 2, Application US/09813156  
Patent No. 6670183  
GENERAL INFORMATION:  
APPLICANT: Sertero, Ginette  
TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
FILE REFERENCE: 29996.488/P001-A  
CURRENT APPLICATION NUMBER: US/09/813,156  
CURRENT FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 08/991,862  
PRIOR FILING DATE: 1997-12-16  
PRIOR APPLICATION NUMBER: 08/863,862  
PRIOR FILING DATE: 1997-05-23  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 589  
TYPE: PRT  
ORGANISM: Mouse epithelin/granulin  
US-09-813-156-2

Query Match 71.6%; Score 53; DB 4; Length 589;  
Best Local Similarity 75.0%; Pred. No. 0.27;  
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 3 RGTKCLRRREAPR 14  
DB 564 RGTKCLRRKIPR 575

Search completed: March 26, 2004, 12:29:51  
Job time : 12.4872 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 11.4872 Seconds  
(without alignments)  
62.919 Million cell updates/sec

Title: US-09-824-647-5

Perfect score: 73

Sequence: 1 SARGTKLRKKIPR 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	73	100.0	14	4	US-08-991-862-5
2	73	100.0	14	4	US-09-813-156-5
3	73	100.0	589	1	US-07-668-648-6
4	73	100.0	589	2	US-08-429-998-6
5	73	100.0	589	2	US-08-431-333-6
6	73	100.0	589	4	US-08-991-862-2
7	73	100.0	589	4	US-09-813-156-2
8	73	100.0	589	5	PCT-US91-02321-6
9	65	89.0	589	1	US-07-668-648-2
10	65	89.0	589	2	US-08-429-998-2
11	65	89.0	589	2	US-08-431-333-2
12	65	89.0	589	5	PCT-US91-02321-2
13	58	79.5	593	1	US-07-668-648-4
14	58	79.5	593	2	US-08-429-998-4
15	58	79.5	593	2	US-08-431-333-4
16	58	79.5	593	5	PCT-US91-02321-4
17	53	72.6	14	4	US-08-991-862-7
18	53	72.6	14	4	US-09-813-156-7
19	53	72.6	593	4	US-08-991-862-17
20	53	72.6	593	4	US-09-813-156-17
21	42	57.5	490	4	US-03-252-991A-16991
22	40	54.8	278	4	US-03-724-864-52
23	39	53.4	29	4	US-09-636-399A-15
24	39	53.4	30	4	US-09-636-399A-16
25	39	53.4	30	4	US-09-636-399A-72
26	39	53.4	31	4	US-09-636-399A-70
27	39	53.4	31	4	US-09-636-399A-71

28	39	53.4	32	4	US-09-636-399A-68	Sequence 68, Appl
29	39	53.4	32	4	US-09-636-399A-69	Sequence 69, Appl
30	39	53.4	33	4	US-09-636-399A-66	Sequence 66, Appl
31	39	53.4	33	4	US-09-636-399A-67	Sequence 67, Appl
32	39	53.4	34	4	US-09-636-399A-64	Sequence 64, Appl
33	39	53.4	34	4	US-09-636-399A-65	Sequence 65, Appl
34	39	53.4	35	4	US-09-636-399A-62	Sequence 62, Appl
35	39	53.4	35	4	US-09-636-399A-63	Sequence 63, Appl
36	39	53.4	36	4	US-09-636-399A-60	Sequence 60, Appl
37	39	53.4	36	4	US-09-636-399A-61	Sequence 61, Appl
38	39	53.4	37	4	US-09-636-399A-58	Sequence 58, Appl
39	39	53.4	37	4	US-09-636-399A-59	Sequence 59, Appl
40	39	53.4	38	4	US-09-636-399A-56	Sequence 56, Appl
41	39	53.4	38	4	US-09-636-399A-57	Sequence 57, Appl
42	39	53.4	39	4	US-09-636-399A-54	Sequence 54, Appl
43	39	53.4	39	4	US-09-636-399A-55	Sequence 55, Appl
44	39	53.4	40	4	US-09-636-399A-52	Sequence 52, Appl
45	39	53.4	40	4	US-09-636-399A-53	Sequence 53, Appl

## ALIGNMENTS

## RESULT 1

US-08-991-862-5

; Sequence 5, Application US/08991862

; Patent No. 6309826

; GENERAL INFORMATION:

; APPLICANT: Serrero, Ginette

; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A

; CURRENT APPLICATION NUMBER: US/08/991,862

; CURRENT FILING DATE: 1998-08-17

; EARLIER APPLICATION NUMBER: 08/863,862

; EARLIER FILING DATE: 1997-05-23

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 5

; LENGTH: 14

; TYPE: PRT

; ORGANISM: mouse granulin

; FEATURE:

; NAME/KEY: PEPTIDE

; LOCATION: (1)...(14)

; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the

; OTHER INFORMATION: antisera against the GP88 used in the

; OTHER INFORMATION: immunoaffinity step.

US-08-991-862-5

Query Match 100.0%; Score 73; DB 4; Length 14;

Best Local Similarity 100.0%; Pred. No. 3.1e-06;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKLRKKIPR 14

Db 1 SARGTKLRKKIPR 14

## RESULT 2

US-09-813-156-5

; Sequence 5, Application US/09813156

; Patent No. 6670183

; GENERAL INFORMATION:

; APPLICANT: Serrero, Ginette

; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A

; CURRENT APPLICATION NUMBER: US/09/813,156

; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 08/991,862

; PRIOR FILING DATE: 1997-12-16

; PRIOR APPLICATION NUMBER: 08/863,862

; PRIOR FILING DATE: 1997-05-23

; NUMBER OF SEQ ID NOS: 17

```

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: mouse granuln
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(14)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-5

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```

Query Match 100.0%; Score 73; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.1e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 SARGTKCLRKKIPR 14
| | | | |
Db 1 SARGTKCLRKKIPR 14

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RESULT 3
US-07-668-648-6
; Sequence 6, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-6

```

```

Query Match 100.0%; Score 73; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 SARGTKCLRKKIPR 14
| | | | |
Db 562 SARGTKCLRKKIPR 575

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RESULT 4

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US-08-429-998-6
; Sequence 6, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-6

```

```

Query Match 100.0%; Score 73; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 SARGTKCLRKKIPR 14
| | | | |
Db 562 SARGTKCLRKKIPR 575

```

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RESULT 5
US-08-431-333-6
; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/431,333  
; FILING DATE: 27-APR-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/668,648  
; FILING DATE: 13-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mirock, S Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)790-9090  
; FAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 589 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-431-333-6

Query Match 100.0%; Score 73; DB 2; Length 589;  
Best Local Similarity 100.0%; Pred. No. 9.5e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 6  
US-08-991-862-2  
; Sequence 2, Application US/08991862  
; Patent No. 6309826  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/08/991,862  
; CURRENT FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863,862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-08-991-862-2

Query Match 100.0%; Score 73; DB 4; Length 589;  
Best Local Similarity 100.0%; Pred. No. 9.5e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 7  
US-09-813-156-2  
; Sequence 2, Application US/09813156  
; Patent No. 6670183  
; GENERAL INFORMATION:  
; APPLICANT: Seriero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813,156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991,862  
; PRIOR FILING DATE: 1997-12-16

; PRIOR APPLICATION NUMBER: 08/863,862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 589  
; TYPE: PRT  
; ORGANISM: Mouse epithelin/granulin  
US-09-813-156-2

Query Match 100.0%; Score 73; DB 4; Length 589;  
Best Local Similarity 100.0%; Pred. No. 9.5e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 8  
PCT-US91-02321-6  
; Sequence 6, Application PC/TUS9102321  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plowman, Gregory D.  
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bristol-Myers Squibb Company  
; STREET: 3005 First Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98121  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US91/02321  
; FILING DATE: 19910403  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Poor, Brian W.  
; REGISTRATION NUMBER: 32,928  
; REFERENCE/DOCKET NUMBER: ON0071A-PC  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)728-4800  
; TELEFAX: (206)448-4775  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 589 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US91-02321-6

Query Match 100.0%; Score 73; DB 5; Length 589;  
Best Local Similarity 100.0%; Pred. No. 9.5e-05;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
Db 562 SARGTKCLRKKIPR 575

RESULT 9  
US-07-668-648-2  
; Sequence 2, Application US/07668648  
; Patent No. 5416192  
; GENERAL INFORMATION:

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; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

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Query Match      89.0%; Score 65; DB 1; Length 589;
Best Local Similarity 85.7%; Pred. No. 0.0022;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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QY      1 SARGTKCLRKXKIPR 14
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DB      562 SARGTKCLRKXKTPR 575

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RESULT 10
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648

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; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-429-998-2
; Query Match      89.0%; Score 65; DB 2; Length 589;
; Best Local Similarity 85.7%; Pred. No. 0.0022;
; Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
;
QY      1 SARGTKCLRKXKIPR 14
      ||:|||||
DB      562 SARGTKCLRKXKTPR 575

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RESULT 11
US-08-431-333-2
; Sequence 2, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/666,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-431-333-2

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Query Match      89.0%; Score 65; DB 2; Length 589;
Best Local Similarity 85.7%; Pred. No. 0.0022;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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Fri Mar 26 17:57:10 2004

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QY 1 SARGTKCLRKKIPR 14
DB 562 SARGTKCLRKKTPR 575

RESULT 12
PCT-US91-02321-2
; Sequence 2, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-2

Query Match 89.0%; Score 65; DB 5; Length 589;
Best Local Similarity 85.7%; Pred. No. 0.0022;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
DB 562 SARGTKCLRKKTPR 575

RESULT 13
US-07-668-648-4
; Sequence 4, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07668648
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

QY 1 SARGTKCLRKKIPR 14
DB 566 AARGTKCLREAPR 579

Query Match 79.5%; Score 58; DB 1; Length 593;
Best Local Similarity 71.4%; Pred. No. 0.036;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14
DB 566 AARGTKCLREAPR 579

RESULT 14
US-08-429-998-4
; Sequence 4, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-429-998-4

Query Match 79.5%; Score 58; DB 2; Length 593;  
Best Local Similarity 71.4%; Pred. No. 0.036;  
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
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Db 566 AARGTKCLRREAPR 579

RESULT 15

US-08-431-333-4  
; Sequence 4, Application US/08431333  
; Patent No. 5965723  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plowman, Gregory D.  
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/431,333  
; FILING DATE: 27-APR-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/668,648  
; FILING DATE: 13-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mirock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212)790-9090  
; TELEFAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 593 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

US-08-431-333-4

Query Match 79.5%; Score 58; DB 2; Length 593;  
Best Local Similarity 71.4%; Pred. No. 0.036;  
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 SARGTKCLRKKIPR 14  
:|||||:|  
Db 566 AARGTKCLRREAPR 579

Search completed: March 26, 2004, 12:29:49  
Job time : 11.4872 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 9.84615 Seconds  
(without alignments)  
62.919 Million cell updates/sec

Title: US-09-824-647-4  
Perfect score: 69  
Sequence: 1 PDAKTCPPDST 12

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
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2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A-COMB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	69	100.0	12	4	US-08-991-862-4
3	69	100.0	12	4	US-08-991-862-4
4	69	100.0	12	4	US-08-991-862-4
5	69	100.0	12	4	US-08-991-862-4
6	69	100.0	12	4	US-08-991-862-4
7	69	100.0	12	4	US-08-991-862-4
8	69	100.0	12	4	US-08-991-862-4
9	69	100.0	12	4	US-08-991-862-4
10	69	100.0	12	4	US-08-991-862-4
11	69	100.0	12	4	US-08-991-862-4
12	69	100.0	12	4	US-08-991-862-4
13	51	73.9	593	1	US-07-668-648-2
14	51	73.9	593	2	US-08-429-998-8
15	51	73.9	593	2	US-08-431-333-4
16	51	73.9	593	4	US-08-991-862-4
17	51	73.9	593	4	US-08-991-862-4
18	51	73.9	593	5	PCT-US91-02321-2
19	40	58.0	268	4	PCT-US91-02321-6
20	38	55.1	343	1	US-07-668-648-2
21	38	55.1	343	5	PCT-US95-13795-4
22	37	53.6	179	1	US-07-668-648-8
23	37	53.6	179	2	US-08-429-998-8
24	37	53.6	179	2	US-08-431-333-8
25	37	53.6	179	5	PCT-US91-02321-8
26	36	52.2	197	4	US-08-480-297A-23
27	36	52.2	197	4	US-08-747-259-4

Sequence 4, Appli  
Sequence 31028, A  
Sequence 8, Appli  
Sequence 6, Appli  
Sequence 5, Appli  
Sequence 238, Appl  
Sequence 7, Appli  
Sequence 7, Appli  
Sequence 5, Appli  
Sequence 2, Appli  
Sequence 220, App  
Sequence 220, App  
Sequence 220, App  
Sequence 220, App  
Sequence 5719, Ap  
Sequence 8078, Ap  
Sequence 60, Appli

ALIGNMENTS

RESULT 1  
US-08-991-862-4  
; Sequence 4, Application US/08991862  
; Patent No. 6309826  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/08/991.862  
; EARLIER FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863.862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: mouse granulin  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(12)  
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
; OTHER INFORMATION: antiserum against the GP88 used in the  
; OTHER INFORMATION: immunoaffinity step.  
US-08-991-862-4

Query Match 100.0%; Score 69; DB 4; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.6e-05;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDST 12  
DB 1 PDAKTCPPDST 12

RESULT 2  
US-08-991-862-4  
; Sequence 4, Application US/08913156  
; Patent No. 6670183  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813.156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991.862  
; PRIOR FILING DATE: 1997-12-16  
; PRIOR APPLICATION NUMBER: 08/863.862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: mouse granulatin
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(12)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
; US-09-813-156-4

Query Match          100.0%; Score 69; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDDST 12
Db 1 PDAKTCPPDDST 12

RESULT 3
US-07-668-648-2
; Sequence 2, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

Query Match          100.0%; Score 69; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDDST 12
Db 208 PDAKTCPPDDST 219

RESULT 4
US-07-668-648-2
; Sequence 2, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-2

Query Match          100.0%; Score 69; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDDST 12
Db 208 PDAKTCPPDDST 219

RESULT 4

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US-07-668-648-6
; Sequence 6, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-6

Query Match          100.0%; Score 69; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTCPPDDST 12
Db 208 PDAKTCPPDDST 219

RESULT 5
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998

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Query Match 100.0%; Score 69; DB 2; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.0011;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12  
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Db 208 PDAKTQCPDDST 219

RESULT 7  
US-08-431-333-2  
; Sequence 2, Application US/08431333  
; Patent No. 5965723  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plowman, Gregory D.  
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/431,333  
; FILING DATE: 27-APR-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/668,648  
; FILING DATE: 13-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mistrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 589 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-429-998-2

Query Match 100.0%; Score 69; DB 2; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.0011;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12  
| | | | | | | | | | | | | |  
Db 208 PDAKTQCPDDST 219

RESULT 6  
US-08-429-998-6  
; Sequence 6, Application US/08429998  
; Patent No. 5855961  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plowman, Gregory D.  
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/429,998  
; FILING DATE: 27-APR-1995  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/668,648  
; FILING DATE: 13-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mistrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 5624-161-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 589 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-429-998-6

Query Match 100.0%; Score 69; DB 2; Length 589;  
Best Local Similarity 100.0%; Pred. No. 0.0011;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12  
| | | | | | | | | | | | | |  
Db 208 PDAKTQCPDDST 219

RESULT 8  
US-08-431-333-6  
; Sequence 6, Application US/08431333  
; Patent No. 5965723  
; GENERAL INFORMATION:  
; APPLICANT: Shoyab, Mohammed  
; APPLICANT: Plowman, Gregory D.  
; TITLE OF INVENTION: NOVEL CYSTEINE-RICH GROWTH  
; TITLE OF INVENTION: MODULATING PROTEINS  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:





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; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/431,333
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-431-333-6

Query Match 100.0%; Score 69; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 208 PDAKTQCPDDST 219

RESULT 9
US-08-991-862-2
; Sequence 2, Application US/08991862
; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996 488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991,862
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863,862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
; US-08-991-862-2

Query Match 100.0%; Score 69; DB 4; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 208 PDAKTQCPDDST 219

RESULT 10
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996 488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
; US-09-813-156-2

Query Match 100.0%; Score 69; DB 4; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12
DB 208 PDAKTQCPDDST 219

RESULT 11
PCT-US91-02321-2
; Sequence 2, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 728-4800
; TELEFAX: (206) 448-4775
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-2

Query Match 100.0%; Score 69; DB 5; Length 589;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 PDAKTQCPDDST 12  
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 Db 208 PDAKTQCPDDST 219

RESULT 12  
 PCT-US91-02321-6  
 ; Sequence 6, Application PC/TUS9102321  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Shoyab, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Bristol-Myers Squibb Company  
 ; STREET: 3005 First Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98121  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION NUMBER: PCT/US91/02321  
 ; FILING DATE: 19910403  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Poor, Brian W.  
 ; REGISTRATION NUMBER: 32,928  
 ; REFERENCE/DOCKET NUMBER: ON0071A-PC  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206)728-4800  
 ; TELEFAX: (206)448-4775  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 589 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; PCT-US91-02321-6

Query Match 100.0%; Score 69; DB 5; Length 589;  
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 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12  
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 Db 208 PDAKTQCPDDST 219

RESULT 13  
 US-07-668-648-4  
 ; Sequence 4, Application US/07668648  
 ; Patent No. 5416192  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Shoyab, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10035  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07/668,648  
 ; FILING DATE: 19910819  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mistrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-161-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212)790-9090  
 ; TELEFAX: (212) 869-9741  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 593 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-07-668-648-4

Query Match 73.9%; Score 51; DB 1; Length 593;  
 Best Local Similarity 66.7%; Pred. No. 1.1;  
 Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 PDAKTQCPDDST 12  
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 Db 209 PDARSRCPDGST 220

RESULT 14  
 US-08-429-998-4  
 ; Sequence 4, Application US/08429998  
 ; Patent No. 5885961  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Flowman, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/429,998  
 ; FILING DATE: 27-APR-1995  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/668,648  
 ; FILING DATE: 13-MAR-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mistrock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-161-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212)790-9090  
 ; TELEFAX: (212) 869-9741  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 593 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein

US-08-429-998-4

Query Match 73.9%; Score 51; DB 2; Length 593;  
 Best Local Similarity 66.7%; Pred. No. 1.1;  
 Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 PDAKTCPPDDST 12  
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 Db 209 PDARSRCPDGST 220

RESULT 15

US-08-431-333-4  
 ; Sequence 4, Application US/08431333  
 ; Patent No. 5965723  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Plozman, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pernie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA: US/08/431.333  
 ; APPLICATION NUMBER: US/08/431.333  
 ; FILING DATE: 27-APR-1995  
 ; CLASSIFICATION: 536  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/668,648  
 ; FILING DATE: 13-MAR-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mirock, S. Leslie  
 ; REGISTRATION NUMBER: 18,872  
 ; REFERENCE/DOCKET NUMBER: 5624-161-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212)790-9090  
 ; TELEFAX: (212) 869-9741  
 ; INFORMATION FOR SEQ ID NO. 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 593 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-431-333-4

Query Match 73.9%; Score 51; DB 2; Length 593;  
 Best Local Similarity 66.7%; Pred. No. 1.1;  
 Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 PDAKTCPPDDST 12  
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 Db 209 PDARSRCPDGST 220

Search completed: March 26, 2004, 12:29:49  
 Job time: 10.8462 secs

GenCore version 5.1.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2004, 12:23:20 ; Search time 15.5897 Seconds  
(without alignments)  
62.919 Million cell updates/sec

Title: US-09-824-647-3  
Perfect score: 96  
Sequence: 1 KKVIAAPRLPDQILKSDT 19

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/prodata/2/iaa/5B COMB.pep:\*  
3: /cgn2\_6/prodata/2/iaa/6A COMB.pep:\*  
4: /cgn2\_6/prodata/2/iaa/8B COMB.pep:\*  
5: /cgn2\_6/prodata/2/iaa/PCTUS COMB.pep:\*  
6: /cgn2\_6/prodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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2	96	100.0	19	4	US-09-813-156-3
3	96	100.0	589	1	US-07-668-648-6
4	96	100.0	589	2	US-08-429-998-6
5	96	100.0	589	2	US-08-431-333-6
6	96	100.0	589	5	PCT-US91-02321-6
7	89	92.7	589	4	US-08-991-862-2
8	89	92.7	589	4	US-09-813-156-2
9	62	64.6	589	1	US-07-668-648-2
10	62	64.6	589	2	US-08-429-998-2
11	62	64.6	589	2	US-08-431-333-2
12	62	64.6	589	5	PCT-US91-02321-2
13	47	49.0	92	4	US-09-800-971-11
14	44.5	46.4	277	4	US-09-252-991A-28167
15	44	45.8	19	4	US-08-991-862-6
16	44	45.8	19	4	US-09-813-156-6
17	44	45.8	593	1	US-07-668-648-4
18	44	45.8	593	2	US-08-429-998-4
19	44	45.8	593	2	US-08-431-333-4
20	44	45.8	593	4	US-08-991-862-17
21	44	45.8	593	5	US-09-813-156-17
22	44	45.8	593	5	PCT-US91-02321-13
23	42	43.8	416	4	US-08-430-921-13
24	42	43.8	505	4	US-08-717-364A-5
25	42	43.8	556	2	US-08-505-377-1
26	42	43.8	556	3	US-08-798-269-1
27	42	43.8	556	4	US-09-055-210-1

Sequence 8, Appli  
Sequence 23, Appli  
Sequence 8740, Ap  
Sequence 17170, A  
Sequence 32405, A  
Sequence 28320, A  
Sequence 48, Appli  
Sequence 4, Appli  
Sequence 4, Appli  
Sequence 17162, Ap  
Sequence 64, Appli  
Sequence 23424, A  
Sequence 23996, A  
Sequence 28607, A  
Sequence 16588, A  
Sequence 27704, A  
Sequence 32561, A  
Sequence 27583, A

## ALIGNMENTS

RESULT 1  
US-08-991-862-3  
; Sequence 3, Application US/08991862  
; Patent No. 6309826  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/08/991.862  
; CURRENT FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863.862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: mouse granuln  
; FEATURE:  
; NAME/KEY: PEPTIDE  
; LOCATION: (1)..(19)  
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the  
; OTHER INFORMATION: antisera against the GP88 used in the  
; OTHER INFORMATION: immunoaffinity step.  
US-08-991-862-3

Query Match 100.0%; Score 96; DB 4; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.8e-09; Mismatches 0; Indels 0; Gaps 0;  
Matches 19; Conservative 0;

QY 1 KKVIAAPRLPDQILKSDT 19  
DB 1 KKVIAAPRLPDQILKSDT 19

RESULT 2  
US-09-813-156-3  
; Sequence 3, Application US/09813156  
; Patent No. 6670183  
; GENERAL INFORMATION:  
; APPLICANT: Serrero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z9996.488/P001-A  
; CURRENT APPLICATION NUMBER: US/09/813.156  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 08/991.862  
; PRIOR FILING DATE: 1997-12-15  
; PRIOR APPLICATION NUMBER: 08/863.862  
; PRIOR FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: PRT
; ORGANISM: mouse granuln
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1...19)
; OTHER INFORMATION: Internal peptide of mouse GP88 used to raise the
; OTHER INFORMATION: antisera against the GP88 used in the
; OTHER INFORMATION: immunoaffinity step.
US-09-813-156-3

Query Match 100.0%; Score 96; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.8e-09;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KKVIAPRLPDQILKSDT 19
Db 1 KKVIAPRLPDQILKSDT 19

RESULT 3
US-07-668-648-6
; Sequence 6, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-6

Query Match 100.0%; Score 96; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KKVIAPRLPDQILKSDT 19
Db 344 KKVIAPRLPDQILKSDT 362

RESULT 4
US-07-668-648-6

Query Match 100.0%; Score 96; DB 1; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KKVIAPRLPDQILKSDT 19
Db 344 KKVIAPRLPDQILKSDT 362

RESULT 5
US-08-431-333-6
; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-6

Query Match 100.0%; Score 96; DB 2; Length 589;
Best Local Similarity 100.0%; Pred. No. 9.2e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KKVIAPRLPDQILKSDT 19
Db 344 KKVIAPRLPDQILKSDT 362

RESULT 6
US-08-429-998-6
; Sequence 6, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-6
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SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/431,333  
 FILING DATE: 27-APR-1995  
 CLASSIFICATION: 536  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/668,648  
 FILING DATE: 13-MAR-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Misrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 5624-161-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212)790-9090  
 TELEFAX: (212) 969-9741  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 589 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-431-333-6

Query Match 100.0%; Score 96; DB 2; Length 589;  
 Best Local Similarity 100.0%; Pred. No. 9.2e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
 DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 6  
 PCT-US91-02321-6  
 ; Sequence 6, Application PC/TUS9102321  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Plowman, Gregory D.  
 ; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Bristol-Myers Squibb Company  
 ; STREET: 3005 First Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98121  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US91/02321  
 ; FILING DATE: 19910403  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Poor, Brian W.  
 ; REGISTRATION NUMBER: 32,928  
 ; REFERENCE/DOCKET NUMBER: ONC0071A-PC  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206)728-4800  
 ; TELEFAX: (206)448-4775  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 589 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 PCT-US91-02321-6

Query Match 100.0%; Score 96; DB 5; Length 589;

Best Local Similarity 100.0%; Pred. No. 9.2e-08;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 KKVIAPRRRLPDPQILKSDT 19  
 DB 344 KKVIAPRRRLPDPQILKSDT 362  
 RESULT 7  
 US-08-991-862-2  
 ; Sequence 2, Application US/08991862  
 ; Patent No. 6309826  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/09/991,862  
 ; CURRENT FILING DATE: 1998-08-17  
 ; EARLIER APPLICATION NUMBER: 08/863,862  
 ; EARLIER FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 589  
 ; TYPE: PRT  
 ; ORGANISM: Mouse epithelin/granulin  
 US-08-991-862-2

Query Match 92.7%; Score 89; DB 4; Length 589;  
 Best Local Similarity 94.7%; Pred. No. 1.3e-06;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
 DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 8  
 US-09-813-156-2  
 ; Sequence 2, Application US/09813156  
 ; Patent No. 6670183  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serrero, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: 29996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/09/813,156  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: 08/991,862  
 ; PRIOR FILING DATE: 1997-12-16  
 ; PRIOR APPLICATION NUMBER: 08/863,862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 589  
 ; TYPE: PRT  
 ; ORGANISM: Mouse epithelin/granulin  
 US-09-813-156-2

Query Match 92.7%; Score 89; DB 4; Length 589;  
 Best Local Similarity 94.7%; Pred. No. 1.3e-06;  
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KKVIAPRRRLPDPQILKSDT 19  
 DB 344 KKVIAPRRRLPDPQILKSDT 362

RESULT 9  
 US-07-668-648-2  
 ; Sequence 2, Application US/07668648  
 ; Patent No. 5416192  
 ; GENERAL INFORMATION:

Fri Mar 26 17:57:08 2004

APPLICANT: Shoyab, Mohammed  
APPLICANT: Plowman, Gregory D.  
TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
TITLE OF INVENTION: MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/668,648  
FILING DATE: 19910819  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-668-648-2

Query Match 64.6%; Score 62; DB 1; Length 589;  
Best Local Similarity 72.2%; Pred. No. 0.037;  
Matches 13; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 KKVIAPRRLPDPQILKSD 18  
Db 344 KKVTAISLSLDPQILKND 361

RESULT 10  
US-08-429-998-2  
Sequence 2, Application US/08429998  
Patent No. 5885961  
GENERAL INFORMATION:  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Plowman, Gregory D.  
TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
TITLE OF INVENTION: MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/429,998  
FILING DATE: 27-APR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/668,648

FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-429-998-2

Query Match 64.6%; Score 62; DB 2; Length 589;  
Best Local Similarity 72.2%; Pred. No. 0.037;  
Matches 13; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 KKVIAPRRLPDPQILKSD 18  
Db 344 KKVTAISLSLDPQILKND 361

RESULT 11  
US-08-431-333-2  
Sequence 2, Application US/08431333  
Patent No. 5965723  
GENERAL INFORMATION:  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Plowman, Gregory D.  
TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
TITLE OF INVENTION: MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/431,333  
FILING DATE: 27-APR-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/668,648  
FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-431-333-2

Query Match 64.6%; Score 62; DB 2; Length 589;  
Best Local Similarity 72.2%; Pred. No. 0.037;  
Matches 13; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 KKVIAPRRLLPDPQILKSD 18  
||| | | | | | | |  
Db 344 KKVTASLSLPDPQILKND 361

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RESULT 12
PCT-US91-02321-2
; Sequence 2, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA

```

ZIP: 98121  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US91/02321  
 FILING DATE: 19910403  
 CLASSIFICATION: 514  
 ATTORNEY/AGENT INFORMATION:

```

/ NAME: Poor, Brian W.
/ REGISTRATION NUMBER: 32,928
/ REFERENCE/DOCKET NUMBER: ON0071A-PC
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206)738-4800
/ TELEFAX: (206)448-4775
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 589 amino acids
/ TYPE: AMINO ACID
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
PCT-US91-02321-2

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Query Match	64.6%;	Score 62;	DB 5;	Length 589;
Best Local Similarity	72.2%;	Pred. No. 0.037;		
Matches 13: Conservative	1;	Mismatches	4;	Indels 0;
Caps	0;			

QY 1 KKVIAPRRRLPDPQILKSD 18  
||| ||| ||| ||| : ||  
Db 344 KKVTASLSLPDPQILKND 361

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RESULT 13
US-09-800-971-11
; Sequence 11, Application US/09800971
; Patent No. 6534301
; GENERAL INFORMATION:
; APPLICANT: Rachel A. Meyers
; TITLE OF INVENTION: 16835, A NOVEL HUMAN PHOSPHOLIPASE C
; TITLE OF INVENTION: FAMILY MEMBER AND USES THEREOF
; FILE REFERENCE: 10448-023001
; CURRENT APPLICATION NUMBER: US/09/800,971
; CURRENT FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/187,453
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: 60/188,032
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 92

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus sequence
US-09-800-971-11

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	Query Match	49.0%;	Score 47;	DB 4;	Length 92;
	Best Local Similarity	50.8%;	Pred. No.	1.3,	
	Matches	9;	Conservative	3; Mismatches	6; Indels
QY		2 KVIAPRLPDPIIKSDT	19		
	:	: :	:		
DG		5 KIISARNLPDPVVKVSKT	22		
	:	: :	:		
				0; Gaps	0;

RESULT 14  
US-09-252-991A-28167  
; Sequence 28167, Application US/09252991A  
; Patent No. 6551795

```

/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: ABRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,789
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 3342
/ SEQ ID NO 28167
/ LENGTH: 277

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ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-28167

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Query Match      46.4%; Score 44.5; DB 4; Length 277;
Best Local Similarity 42.3%; Pred. No. 12;
Matches 11: Conservative 3; Mismatches 3; Indels 9; Gaps 1;
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QY 3 VIAPRRLP-----DPQILKSDT 19  
Dp 210 VIAPGRFPSPMRTHIANDPQALEADS 235

RESULT 15  
US-08-991-862-5  
; Sequence 6, Application US/08991862  
; Patent No. 6309826  
; GENERAL INFORMATION:  
; APPLICANT: Sertero, Ginette  
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
; FILE REFERENCE: Z3996.488/2001-A  
; CURRENT APPLICATION NUMBER: US/08/991,862  
; CURRENT FILING DATE: 1998-08-17  
; EARLIER APPLICATION NUMBER: 08/863,862  
; EARLIER FILING DATE: 1997-05-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Patent In Ver. 2.0

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1 SEQ ID NO 8
2
3 LENGTH: 19
4
5 TYPE: PRT
6
7 ORGANISM: Human granulin
8
9
10 NAME/KEY: PEPTIDE
11
12 LOCATION: (1)..(19)
13
14 OTHER INFORMATION: Internal peptide of human Gp88 used to develop
15
16 OTHER INFORMATION: neutralizing anti-human Gp88 monoclonal antibody.
17
18 US-08-0991-862-6

```

Query Match 45.8%; Score 44; DB 4; Length 19;  
Best Local Similarity 55.6%; Pred. No. 0.68;



Matches 10; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 1 KVIAPRRUPDPOLKSD 18

Db 1 EKAPAHLSUPDPQALRD 18

Search completed: March 26, 2004, 12:29:48  
Job time : 15.5897 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	3511	85.6	593	4	US-08-591-863-17		Sequence 17, Appl
2	3511	85.6	593	4	US-09-813-156-17		Sequence 17, Appl
3	3472	84.6	593	1	US-07-668-648-4		Sequence 4, Appl
4	3472	84.6	593	2	US-08-429-998-4		Sequence 4, Appl
5	3472	84.6	593	2	US-08-431-333-4		Sequence 4, Appl
6	3472	84.6	593	5	PCT-US91-02331-4		Sequence 4, Appl
7	2696	65.7	589	1	US-07-668-648-2		Sequence 2, Appl
8	2696	65.7	589	2	US-08-429-998-2		Sequence 2, Appl
9	2696	65.7	589	2	US-08-431-333-2		Sequence 2, Appl
10	2696	65.7	589	5	PCT-US91-02321-2		Sequence 2, Appl
11	2693	65.6	589	1	US-07-668-648-6		Sequence 6, Appl
12	2693	65.6	589	2	US-08-429-998-6		Sequence 6, Appl

21 ProAspGlycInPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTyrSer 40  
 133 TGCTGCGCTCCCTCTGAGCAAAATGCCCCACAACTGAGCAGGATCTGCTGCGCC 192  
 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyPro 60  
 193 TGCCAGATTGATCCCACTGCTCTGCGGCGCATCTGCTGATCTTACCTCTCAGGACT 252  
 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr 80  
 253 TCAGATTGCTGCTCCCTCCAGAGGCGTGGCATGGGATGGCCATCACTGCTGCCA 312  
 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro 100  
 313 CGGGCTTCCACTGCTGAGTGCAGAGCGGCGATCTGCTTCCAAAGATCAGGTAACACTCC 372  
 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120  
 373 GTGGTGCCCATCCAGTCCCTGATAGTCAGTTCGAATGCCGACTCTCCACGCTCTGT 432  
 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140  
 433 GTTATGCTGATGCTCTGCGGCTGCTGCCCATGCCAGCTTCTCTGCTGTGAAGAC 492  
 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160  
 493 AGGTGACTGCTGCTGCGCAGGTGCTCTGCGACCTGCTTCCACCGCTGCATCACA 552  
 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180  
 553 CCCACGGGACCCACCCCTCCGCAAGAAGCTCCCTGCCAGAGGACTAACAGGCGAGTG 612  
 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200  
 613 GCCTTGCTCAGCTCGTGCATGTGCGGACGCGCTGCTGCGGCTCCGCTGCTGCTTACC 672  
 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220  
 673 TGCTGTGAGCTGCCAGTGGGAAATGCTGCTGCTGCCAATGCCCAACGCGCCTGCTGC 732  
 221 CysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsnAlaThrCysCys 240  
 733 TCGATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792  
 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260  
 793 CTCTCCAGGAGACGCTACACGAGCTCTCTCACTAGCTGCTGCGCACACAGCTGGC 852  
 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280  
 853 GATGTAAATGTGACATGAGTGGAGTGGCCGAGATGGCTATACCTGCTGCTGCTGCTGCT 912  
 281 AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln 300  
 913 TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972  
 301 SerGlyAlaIleGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320  
 973 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1032  
 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340  
 1033 CAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1092  
 341 GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360  
 1093 AAGAGAGATGCTCCCTGCTGATTAATGTACGAGCTGCTCTCTCCGATACCTGCTGCCAA 1152  
 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380  
 1153 CTCAGCTGCTGGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212  
 381 LeuThrSerGlyGlyTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis 400

1213 CAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1272  
 401 GlnHisCysCysProGlnArgTyrThrCysValAlaGluGlyGlnCysGlnArgGlySer 420  
 1273 GAGATCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1332  
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 1333 GACATCGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392  
 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyThrCysCysProSerGln 460  
 1393 GGTGGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452  
 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480  
 1453 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512  
 481 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500  
 1513 TCTGCCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572  
 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520  
 1573 TGTGGGGAAGGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632  
 521 CysGlyGlyGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540  
 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692  
 541 TrpAlaCysCysProTyrAlaGlnGlyValCysCysAlaAspArgHisCysCysPro 560  
 1693 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1752  
 561 AlaGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgArgGluAlaProArgTrp 580  
 1753 GAGCGCTTGTGAGGAGCCAGCTTGTGAGCAGCTGCTGAGCAGCTGCTGAGCAGCTGCTG 1791  
 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593

RESULT 2

US-09-813-156-17  
 ; Sequence 17, Application US/09813156  
 ; Patent No. 6670183  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Serreto, Ginette  
 ; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS  
 ; FILE REFERENCE: Z9996.488/P001-A  
 ; CURRENT APPLICATION NUMBER: US/09/813.156  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: 08/991.862  
 ; PRIOR FILING DATE: 1997-12-16  
 ; PRIOR APPLICATION NUMBER: 08/963.862  
 ; PRIOR FILING DATE: 1997-05-23  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 17  
 ; LENGTH: 593  
 ; TYPE: PRT  
 ; ORGANISM: Human GP88 cDNA  
 US-09-813-156-17

Alignment Scores:  
 Pred. No.: 2,08e-219 Length: 593  
 Score: 3511.00 Matches: 593  
 Percent Similarity: 100.00% Conservatives: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 85.57% Indels: 0  
 DB: 4 Gaps: 0

US-09-824-647-16 (1-2095) x US-09-813-156-17 (1-593)



```

; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/POCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-668-648-4

Alignment Scores:
Pred. No.: 6,92e-217 Length: 593
Score: 3472.00 Matches: 587
Percent Similarity: 98.99% Conservative: 0
Best Local Similarity: 98.99% Mismatches: 6
Query Match: 84.62% Indels: 0
DB: 1 Gaps: 0

US-09-824-647-16 (1-2095) x US-07-668-648-4 (1-593)

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QY 73 CCAGATGTCAGTTCCTGCGCTGTGCTGCTGACCCCGAGGAGCCAGCTACAGC 132
Db 21 ProAspGlyGlnPheCysProValAlaCysLeuAspProGlyAlaSerTyrSer 40
QY 133 TGCTGCGCTGCCCTTCTGGCAAAATGGCCCAACACTGACGAGGCAATCTGGTGGCCCC 192
Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
QY 193 TGGCAGGTTCAGTCCCATGCTCTGCGGGCCACTCTCTGATCTTTACCGTCTCAGGACT 252
Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr 80
QY 253 TTCAGTGTGTCGCCCTTCCAGAGCCGCTGGCATGCGGGGATGGCCATCACTGCTGCCCA 312
Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisHisCysCysPro 100
QY 313 CGGGGGTTCACATGTCAGTGCAGACGGGGGATCTGCTTCCAAAGATCAGGTAACTACC 372
Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120
QY 373 GTGGGTGCCATCCAGTGCCTGATAGTCAGTTCGAATGCCCGGACTTCTCCACGTGCTGT 432
Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
QY 433 GTTATGGTCGATGGGTCTCTGGGGGTGTCGCCCATGCCCGAGGCTCTGCTGTGAGAC 492
Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
QY 493 AGGTCGACTGTGTCGGCAGCGGTGCCCTTCTGCAGCTGTTCACACCCGGCTGCATCAC 552
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QY 553 CCCACGGGCACCCACCCCTGCGCAAGAGTCCCTGCCCAGAGGACTAACAGGGGAGTG 612
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QY 613 GCCTTGTCCAGTCCGTCATGTCCTCGACACAGGTCCTCGGTGCCCTGATGTTCTACC 672
Db 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
QY 673 TGCTGTGAGTGCCTCGGGAAGTATGGCTGCTGCCCAATGCCCAAGCCACCTGCTGC 732
Db 221 CysCysGluLeuProSerGlyValSerGlyCysCysProMetProAsnAlaThrCysCys 240

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## RESULT 4

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US-08-429-998-4
; Sequence 4, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plozman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER: US 07/669,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; LENGTH: 593 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-429-998-4
Alignment Scores:
Pred. No.: 6,92e-217 Length: 593
Score: 3472.00 Matches: 587
Percent Similarity: 98.99% Conservative: 0
Best Local Similarity: 98.99% Mismatches: 6
Query Match: 84.62% Indels: 0
DB: 2 Caps: 0
US-09-824-647-16 (1-2095) x US-08-429-998-4 (1-593)
QY 13 ATGTGGACCTGGTGGCTGGGCTTAAACAGCAGGCTGGTGGCTGGAAACGGGTGC 72
Db 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20
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Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTrpSer 40
QY 133 TGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 192
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QY 193 TGGCAGGTGATGCCCACTGCTGCTGGCGGCACTCTGTGATCTTTACCGTCTCAGGACT 252
Db 61 CysGlnValAlaHisCysSerAlaGlyHisSerCysilePheThrValSerGlyThr 80
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QY 313 CGGGCTTCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
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Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
QY 433 GTTATGTCGATGGCTCTGGGGTGTGCTGGCCATGCCCATGCCAGGCTTCTGCTGCTGAAG 492
Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
QY 493 AGGTGTCAGTCTGCTGCGCAGGTCCTTCTGGACCTGTTCCACACCGCTGCTGATCACA 552
Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
QY 553 CCCACGGGACCCACCCCTGGGAAAGATGGCTGCTGCCCAATGCCCAACGCCACCTGCTGC 612
Db 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200
QY 613 GCCTTGTCCAGCTCGGTATGTGTCGGAGCAGCGTCCCGGTGCCGTGATGTTCTTACC 672
Db 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
QY 673 TGCTGTGAGCTGCCAGTGGGAAGTATGGCTGCTGCCCAATGCCCAACGCCACCTGCTGC 732
Db 221 CysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsnAlaThrCysCys 240
QY 733 TCCGATCACCTGCTGCTGCCCGCAGACACTGTGTGACCTGATCCAGCTGATGCTGCTGCT 792
Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260
QY 793 CTCTCCAAGGAGAACGCTTACACGACCTCTCACTAAGCTGCTGCTGCTGCTGCTGCTGCT 852
Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
QY 853 GATGTGAATGTGACATGAGGTGAGCTGCCAGATGGCTATACCTGCTGCTGCTGCTGCTGCT 912
Db 281 AspValLysCysAspMetGluValSerCysProAspGlyTrpThrCysCysArgLeuGln 300
QY 913 TCGGGGCTGGGCTGCTGCTGCTTTCACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
Db 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
QY 973 TGCTGTCCCGGGGTTACGTGTGACACGAGAGGTTACCTGTGAAACAGGGGCCCCAC 1032
Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGGTGCCCTGGATGGAGAGGCCCCAGCTCACCTCAGCTGCCAGACCCACAGGCTTG 1092
Db 341 GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
QY 1093 AAGAGAGATGCCCTGTGATAATGTGACGAGCTGCTCCCTCCCGATACCTGCTGCCAA 1152
Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380
QY 1153 CTCAGCTGGGAGTGGGCTGCTGCTCCATCCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
Db 381 LeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis 400
QY 1213 CAGCACTGCTGCCCGCCAGCGATACACGTGTGTAGCTGAGGGGCGAGTGTGACGAGGAGC 1272
Db 401 GlnHisCysCysProGlnGlyTrpThrCysValAlaGluGlyGlnCysGlnArgGlySer 420
QY 1273 CAGATCGGTGTGACGAGAGATGCTGCTGCCCGCCCGGCTTCCTTATCCACCCCGAGA 1332
Db 421 GluIleValAlaGlyLeuGluLysMetProAlaArgAlaSerLeuSerHisProArg 440
QY 1333 GACATCGGCTGTGACAGCACACCGAGCTGCCCGGTGGGCGGAACTCTGCTGCCAGGACG 1392
Db 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 460
QY 1393 GGTGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452

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Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480  
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 Db 481 CysCysProAlaGlyTrpThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500  
 Qy 1513 TGTGCCAGCTGCTCCACCTCTCTGGCGCGTGGAGCCCTCAAGTGGTGTGAAGACGTGGAG 1572  
 Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520  
 Qy 1573 TGTGGGAGAGACACTCTCTCCATGATACACAGACCTGTCTGCGAGACACACAGAGGC 1632  
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 Qy 1693 GCTGGCTTCGCTGCGACGACGAGGTACCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1752  
 Db 561 AlaGlyPheArgCysAlaAlaArgGlyThrLysCysLeuArgArgGluAlaProArgTrp 580  
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RESULT 5

US-08-431-333-4  
 ; Sequence 4, Application US/08431333  
 ; Patent No. 5965723

GENERAL INFORMATION:

APPLICANT: Shovab, Mohammed  
 APPLICANT: Plozman, Gregory D.  
 TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH  
 TITLE OF INVENTION: MODULATING PROTEINS  
 NUMBER OF SEQUENCES: 12  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA: US/08/431,333

APPLICATION NUMBER: US/08/431,333

FILING DATE: 27-APR-1995

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/668,648

FILING DATE: 13-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Misrock, S. Leslie

REGISTRATION NUMBER: 18,872

REFERENCE/DOCKET NUMBER: 5624-161-999

TELEPHONE: (212)790-9090

TELEFAX: (212) 869-9741

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 593 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-431-333-4

Alignment Scores:

Pred. No.: 6.92e-217

Length: 593

Score: 3472.00 Matches: 587  
 Percent Similarity: 98.99% Conservative: 0  
 Best Local Similarity: 98.99% Mismatches: 6  
 Query Match: 84.62% Indels: 0  
 DB: 2 Gaps: 0

US-09-824-647-16 (1-2095) x US-08-431-333-4 (1-593)

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 Db 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20  
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 Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60  
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 Qy 313 CGGGGCTTCCACTGCAGTGCAGAGCGGCGATCTCTGCTTCCAAAGATCAGGTAAACAATCC 372  
 Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnSer 120  
 Qy 373 GTGGTGCATCCAGTGCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 432  
 Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140  
 Qy 433 GTTATGTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 492  
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 Qy 553 CCACGGGACACCCACCCCTGCGAAGAGTCCCTGCTGCCAGAGACTAAACAGGGCAGTG 612  
 Db 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200  
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 Db 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220  
 Qy 673 TGCTGTGAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 732  
 Db 221 CysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsnAlaThrCysCys 240  
 Qy 733 TCCGATCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792  
 Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260  
 Qy 793 CTCTCCAGAGAACGCTACACAGGACCTCTCCTACCTAGCTGCTGCTGCTGCTGCTGCTGCTGCT 852  
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 Qy 853 GATGTGAAATGTGACATGAGGTGAGCTGCCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 912  
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 Db 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisLysHis 320  
 Qy 973 TGCTGTCCCGGGGCTTACGTGTGACAGCGAGAGGTACCTGTGTGAGACAGGGGCCCCCAC 1032

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Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGTCCCTGGATGGAGAGGCCAGCTCAGCTCAGCTGCGAGACCCAGCCTTG 1092
Db 341 GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
QY 1093 AAGAGAGATGTCCTCTGTGATATGTCAGAGGTGCTCCTCTCCGATACCTGCTGCCAA 1152
Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysGln 380
QY 1153 CTACAGCTCTGGGAGTGGGCTCTCTCAATCCAGAGCTCTGTCTGCTCGAGACAC 1212
Db 381 LeuThrSerGlyGlnTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis 400
QY 1213 CAGCACTGTGCCCCAGGAGATCACGTGTGTAGCTGAGGGGAGGTGTCAGGAGAGC 1272
Db 401 GlnHisCysCysProGlnGlyThrCysValAlaGluGlyCysGlnArgGlySer 420
QY 1273 GAGATGCTGCTGAGTCTGGAGAGATGCTGCTGCGCGCGGTTCCTTATCCACCCAGA 1332
Db 421 GluIleValAlaGlyLeuGluLysMetProAlaArgAlaSerLeuSerHisProArg 440
QY 1333 GACATCGCTGTGACAGCACACAGCTGCCCGTGGGGGAGACCTGTGCTGCCGAGCCAG 1392
Db 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 460
QY 1393 GGTGGGAGCTGGGCTGCTGCCAGTTCGCCATGCTGTGCTGCGAGGATGCCAGCAC 1452
Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
QY 1453 TGCTGCCGCTGGCTACACCTCAACGTGAAGGCTCGATCTCTCGAGAGGAAGTGTCT 1512
Db 481 CysCysProAlaGlyThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
QY 1513 TCTGCCAGGCTGCCACCTCTCGCGCTGAGCCCTCAGTGGGTGAGGACGTGGAG 1572
Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
QY 1573 TGTGGGGAAGGACACTTCTCCATGATACACAGACCTGTGCTGCCAGACACAGGAGGC 1632
Db 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540
QY 1633 TGGGCTGTGCTGCTCCTACGCCCGGCGCTGTGTGTGCTGATCGGGCGCACTGCTGCT 1692
Db 541 TrpAlaCysCysProTrpArgGlnGlyValCysCysAlaAspArgHisCysCysPro 560
QY 1693 GCTGGCTTCGCTGCGCAGCAGCGGTACCAAGTGTGTGCGCAGGAGGCCCGGCTGG 1752
Db 561 AlaGlyPheArgCysAlaAlaArgGlyThrLysCysLeuArgArgGluAlaProArgTrp 580
QY 1753 GACGCCCTTTGAGGACCCAGCCTTGAGACAGCTGCTG 1791
Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593
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## RESULT 6

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PC1-US91-02321-4
; Sequence 4, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohamed
; APPLICANT: Shoyab, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: POOR, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO. 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-4
;
; Alignment Scores:
; Pred. No.: 6,92e-217 Length: 593
; Score: 3472.00 Matches: 587
; Percent Similarity: 98.99% Conservative: 0
; Best Local Similarity: 98.99% Mismatches: 6
; Query Match: 84.62% Indels: 0
; DB: 5 Gaps: 0
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US-09-824-647-16 (1-2095) x PCT-US91-02321-4 (1-593)

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QY 13 ATGTGGACCTTGTGAGCTGTGGTGGCTTAACAGCAGGCTGTGGTGTGAACCCGCTGC 72
Db 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20
QY 73 CCAGATGCTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTySer 40
QY 133 TGCTGCCGCTGCCCTTCTGGCAAAATGGCCACACACTGACGAGGCTCTGGTGGGCCCC 192
Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
QY 193 TGCAGGTGTGATGCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysLysPheThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312
Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisHisCysCysPro 100
QY 313 CGGGGCTTCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120
QY 373 GTGGGTGCCATCCAGTGCCTGTAGTGCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT 432
Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGlnCysProAspPheSerThrCysCys 140
QY 433 GTTATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 492
Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
QY 493 AGGTGTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 552
Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
QY 553 CCCACGGGACCCACCCCTCGCCAAAGAGCTTCCTGCCAGAGGACTTAACAGGCGCAGTG 612
Db 181 ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal 200
QY 613 GCCTGTGCTCAGCTCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 672
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QY 253 TCAGTGTGTCCTCCAGAGCGCGTGGATGCGGGATGCCATCACTGCTGCCCA 312  
Db 81 SerSerCysCysProPheSerGluGlyValSerCysAspAspGlyGlnHisCysCysPro 100  
QY 313 CGGGGCTTCCACTGACGATGACAGCGCGATCTGCTTCCAAAGATCAGGTAACTCC 372  
Db 101 ArgGlyPheHisCysSerAlaAspGlySerCysSerGlnHisSer---AspSerLeu 119  
QY 373 GTGGGTGCCATCCAGTGCCTCATAGTTCAGTTCGAAATGCCCGGACTTCTCCACGTGCTGT 432  
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139  
QY 433 GTTATGTCGATGCTCTGGGGTCTGCTCCCATGCTCCAGCTTCTGCTGTGAAGAC 492  
Db 140 IleMetIleAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159  
QY 493 AGGTCACATGCTGCTCCGACAGGTGCTCTCGACCTGCTTCAACACCGCTGCATCACCA 552  
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysIleSer 179  
QY 553 CCACGGGACACCCCTGTCGCAAGAAGCTCCCTGCTCCAGAGACTTAACAGGGCAGTG 612  
Db 180 ProThrGlyThrHisProLeuLeuLysLysPheProAlaGlnArgThrAsnArgAlaVal 199  
QY 613 GCCTTGTCCAGCTCGCTGATGCTCCGACGACGCTCCCGTCCGCTGATGCTTACC 672  
Db 200 AlaPheProPheSerValValCysProAspAlaLysThrGlnCysProAspSerThr 219  
QY 673 TGTGTGAGTGCCTGAGTGGAGTATGCTGCTGCCCAATGCCCAACCCACCTGCTGTC 732  
Db 220 CysCysGluLeuProThrGlyLysTrpGlyCysCysProMetProAsnAlaIleCysCys 239  
QY 733 TCCGATCAGCTGCTGCTGCTCCCGACGACACTGTGTGACTGATCCAGAGTAAAGTC 792  
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259  
QY 793 CTCTCCAAAGAACGCTACACGGACCTCTCTCACTAACTGCTGCTCCGACAGTGGGC 852  
Db 260 IleSerLysAsp--TyrThrThrAspLeuMetThrLysLeuProGlyTyrProValAsn 278  
QY 853 GATGTGAATGACATGAGGTGAGTGCCTCCAGATGGTATACCTGCTCCGCTACAG 912  
Db 279 GluValLysCysAspLeuGluValSerCysProAspGlyTyrThrCysCysArgLeuAsn 298  
QY 913 TCGGGGCTGCGGCTGCTGCTCCCTTTTACCCAGCTGTGTGCTGTGAGGACACATACAC 972  
Db 299 ThrGlyAlaTrpGlyCysCysProPheThrLysAlaValCysCysGluAspHisLysHis 318  
QY 973 TGTGTGCTCCCGGGTTTACGTGTGACAGCAGAGGTACCTGTGTAACAGGGGCCCCAC 1032  
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluThrGlyThrCysGluLeuGlyValLeu 338  
QY 1033 CAGTGTGCTGGATGGAGAGCGCCAGCTCACTCAGCTGCTGACAGCCACCAAGCCTTG 1092  
Db 339 GlnValProTrpMetLysLysValThrAlaSerLeuSerLeuProAspProGlnIleLeu 358  
QY 1093 AAGAGAGATGCTCCCTGTGATATGTCAGAGTGTCTCTCCCTCCGATACCTGCTGCCAA 1152  
Db 359 LysAsnAspValProCysAspAspPheSerSerCysProSerAsnAsnThrCysCysArg 378  
QY 1153 CTCAGTGTGCGAGTGGGCTGCTGTCCCAATCCAGAGGCTGTCTGCTCGGACCCAC 1212  
Db 379 LeuSerSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysLeuAspHis 398  
QY 1213 CAGCACTGTGCTCCCGCCGATACACGTGTGTAGCTGAGGGGAGTGTACGAGGAGAAC 1272  
Db 399 GlnHisCysCysProGlnGlyPheLysCysMetAspGluGlyTyrCysGlnLysGlyAsp 418  
QY 1273 GAGATCTGCTGCTGAGAGATGCTGCTCCCGCGGCTTCTTATCCACCCACCA 1332  
Db 419 ArgMetValAlaGlyLeuGluLysMetProValArgLeuLeuLeuHisGly 438  
QY 1333 GACATCGGCTGTGACACGACACACAGCTGCTGCGGCGGAAACCTGCTGCTCCGACCCAG 1392

Db 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458  
QY 1393 GGTGGAGCTGGGCTGCTGCTCCAGTTCGCCCATGCTGTGCTGCGAGGATCGCCAGCAC 1452  
Db 459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478  
QY 1453 TGCTGCCCGCTGCTGCTACACTGCACTGCAAGCTCGATCCCTGCGAAGAAGTGGTC 1512  
Db 479 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspAlaGly 498  
QY 1513 TCTGCCAGCTGCTGCTGCTTCTGCGCCCTGAGCCCTCACTGCTGCTGTAAGGAGCTGGAG 1572  
Db 499 SerValGlnProSerMetAspLeuThrPheGlySerLysValGly-----AsnValGlu 516  
QY 1573 TGTGGGAAGACACTTCTGCTCATATACACAGACTGCTGCTGCGAGACCAACCGACAGGC 1632  
Db 517 CysGlyAlaGlyHisPheCysHisAspAsnGlnSerCysCysLysAspSerGlnGlyGly 536  
QY 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692  
Db 537 TrpAlaCysCysProTrpValLysGlyValCysCysArgAspGlyArgHisCysCysPro 556  
QY 1693 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1752  
Db 557 IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysLysThrProArgTrp 576  
QY 1753 GACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1791  
Db 577 AspIleLeuLeuArgAspProAlaProArgProLeuLeu 589

RESULT 8  
US-08-429-998-2  
Sequence 2, Application US/08429998  
Patent No. 5885961  
GENERAL INFORMATION:  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Showman, Gregory D.  
TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH  
MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/429,998  
FILING DATE: 27-APR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/668,648  
FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Mierock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-429-998-2

Alignment Scores:

Pred. No.: 9 94e-167 Length: 589  
Score: 2696.00 Matches: 443  
Percent Similarity: 84.15% Conservative: 56  
Best Local Similarity: 74.70% Mismatches: 90  
Query Match: 65.71% Indels: 4  
DB: 2 Gaps: 3

US-09-824-647-16 (1-2095) x US-08-429-998-2 (1-589)

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DB 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaSerTrpSer 40  
QY 133 TGTGCGCTGCCCTTCTGGACAAATGGCCACAACTGAGCAGGATCTGGGTGGCCCC 192  
DB 41 CysCysAsnProLeuLeuAspThrTrpProIleThrSerArgArgLeuAspGlySer 60  
QY 193 TGGCAGCTGATGCCACTGCTTGGCGGCACTCTCTGCACTCTTACCGTCTCAGGACT 252  
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DB 81 SerSerCysCysProPheSerGluGlyValSerCysAspAspGlyGlnHisCysCysPro 100  
QY 313 CGGGCTTCCAGTGCAGTGCAGCGGCGATCTGCTTCCAAAGATCAGTAACTAC 372  
DB 101 ArgGlyPheHisCysSerAlaAspGlyTySerCysSerGlnIleSer---AspSerLeu 119  
QY 373 GTGGGTGCCATCCAGTCCCTGTAGTTCAGTTCGATGCGGACTTCTCCAGTCTGT 432  
DB 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139  
QY 433 GTTATGTCGATGCTCTGGGTGCTGCCCATGCCAGGCTTCTCTCTGTGAAGAC 492  
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QY 493 AGGTGCACTGCTCCGCAAGTCTTCTGCACTGCTTCCAGCTGCTTCCAGCTCCATCACA 552  
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QY 673 TGTGTCAGTCCGCTGGAAGTATGCTGCTGCCCAATGCCCAAGCCACTGCTGTC 732  
DB 220 CysCysGluLeuProThrGlyLysTrpGlyCysCysProMetProAsnAlaIleCysCys 239  
QY 733 TCCGATCACTGCTGCTGCCCAAGACACTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792  
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QY 793 CTCTCCAAAGGACGCTACCAAGGACTCTCTCACTAAGCTGCTGCTGCTGCTGCTGCTGCTGCT 852  
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DB 279 GluValLysCysAspLeuGluValSerCysProAspGlyTyThrCysCysArgLeuAsn 298  
QY 913 TCGGGGGCTGCGGGCTGCTGCCCTTTTACCAGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972

DB 299 ThrGlyAlaTrpGlyCysCysProPheThrLysAlaValCysCysGluAspHisIleHis 318  
QY 973 TGTGTCCTCCGCGGGTTTACGTGTGACACGCAAGAGGTACCTGTGTGAACAGGCGCCAC 1032  
DB 319 CysCysProAlaGlyPheGlnCysHisThrGlyThrCysGluLeuGlyValLeu 338  
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DB 339 GlnValProTrpMetLysLysValThrAlaSerLeuSerLeuProAspProGlnIleLeu 358  
QY 1093 AAGAGATGTCCTGCTGATAATGTGTCAGCAGCTGCTCCCTCCGATACCTGCTGCCAA 1152  
DB 359 LysAsnAspValProCysAspAspPheSerSerCysProSerAsnAsnThrCysCysArg 378  
QY 1153 CTCAGTCTGGGAGTGGGCTGCTGCTCCATCCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212  
DB 379 LeuSerSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysLeuAspHis 398  
QY 1213 CAGCAGTCTGCTCCCGCAGCATACACGTGTGTAGCTGAGGGGCGAGTGTGAGCGAGGAGC 1272  
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QY 1273 GAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1332  
DB 419 ArgMetValAlaGlyLeuGluLysMetProValArgGlnThrLeuLeuGlnHisGly 438  
QY 1333 GACATCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392  
DB 439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458  
QY 1393 GGTGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452  
DB 459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478  
QY 1453 TGTGTCCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512  
DB 479 CysCysProAlaGlyTyThrCysAsnValLysAlaArgThrCysGluLysAspAlaGly 498  
QY 1513 TGTGTCCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572  
DB 499 SerValGlnProSerMetAspLeuThrPheGlySerLysValGly---AsnValGlu 516  
QY 1573 TGTGTCCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632  
DB 517 CysGlyAlaGlyHisPheCysHisAspAsnGlnSerCysLysAspSerGlnGlyGly 536  
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DB 537 TrpAlaCysCysProTyTrpValLysGlyValCysCysArgAspGlyArgHisCysCysPro 556  
QY 1693 GCT 1752  
DB 557 IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysLeuThrProArgTrp 576  
QY 1753 GAGCGCT 1791  
DB 577 AspIleLeuLeuArgAspProAlaProArgProLeuLeu 589

RESULT 9

US-08-431-333-2  
Sequence 2, Application US/08431333  
Patent No. 5965723  
GENERAL INFORMATION:  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Plowman, Gregory D.  
TITLE OF INVENTION: EPIITHELIN: NOVEL CYSTEINE-RICH GROWTH  
TITLE OF INVENTION: MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York

STATE: New York  
COUNTRY: USA  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/431,333  
FILING DATE: 27-APR-1995  
CLASSIFICATION: 356  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/668,648  
FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-431-333-2

Alignment Scores:	9,948-167	Length:	589
Pred. No.:	2896.00	Matches:	443
Score:	84.15%	Conservative:	56
Percent Similarity:	74.15%	Mismatches:	90
Best Local Similarity:	84.70%	Indels:	4
Query Match:	65.71%	Gaps:	3
DB:	2		

US-09-824-647-16 (1-2095) x US-08-431-333-2 (1-589)

QY	13	ATGTGACCTGGTGGATGGGTGGCCCTTAACACAGGGCTGTGGCTGGAACCGCGTGC	72
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QY	73	CCAGATGTCAGTCTGCGCTGTGGCTGCGCTGGACCCCGAGGAGGACGACTACAG	132
Db	21	ProAspGlyValPheCysProValAlaCysLeuAspGlnGlyAlaAsnTyrSer	40
QY	133	TGCTGCGCTGCCCTTCTGGACAAATGGCCCAACAACCTGACAGGCATCTGGGTGGCCCC	192
Db	41	CysCysAsnProLeuLeuAspThrTrpProIleThrSerArgArgLeuAspGlySer	60
QY	193	TGCGAGTGTGATGCCACTGCTCTGCGGGCCACTCTTGCATCTTTACCGTCTCAGGACT	252
Db	61	CysGlnIleArgAspHisCysProAspGlyTyrSerCysLeuLeuThrValSerGlyThr	80
QY	253	TCCAGTTGCTGCCCCCTTCCAGAGCCCGTGCATGCGGGGATGGCCATCACTGCTCCCA	312
Db	81	SerSerCysCysProPheSerGlnGlyValSerCysAspAspGlyGlnHisCysCysPro	100
QY	313	CGGGGCTTCCACTGCAGTGCAGACGGGGATCCCTGCCAAGATCAGGTACAACTCC	372
Db	101	ArgGlyPheHisCysSerAlaAspGlyIlySerCysSerGlnIleSer	119
QY	373	GTGGGTGCCATCCAGTGCCCTGATAGTCAGTTCGATGCCGGGACTTCTCCAGCTGCT	432
Db	120	LeuGlyAlaValGlnCysProGlySerGlnPheGlnCysProAspSerAlaThrCysCys	139
QY	433	GTTATGGTGGATGGTCTCTGGGGGTCTGCCCATGCCCAGGCTTCTGCTGTGAAGAC	492
Db	140	IleMetIleAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp	159
QY	493	AGGGTGCATGTGTCCGACAGGTCCTTTCGCAGCTGGTTCACACCCGCTGCATCAC	552

Db 517 CysGlyAlaGlyHisPheCysHisAspAsnGlnSerCysCysLeuAspSerGlnGlyGly 536  
 QY 1633 TGGGCGCTGTCTCCCTACGCCAGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1692  
 Db 537 TrpAlaCysCysProTyrValLysGlyValCysCysArgAspGlyArgHisCysCysPro 556  
 QY 1693 GCTGGCTTCGCTGCCAGCGAGGGGTACAAAGTGTTCGGCAGGAGGCCCGCGCTGG 1752  
 Db 557 IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysAlaThrProArgTrp 576  
 QY 1753 GAGCGCCCTTTGAGGACCCAGCCTTGAGACAGCTGCTG 1791  
 Db 577 AspileuLeuArgAspProAlaProArgProLeuLeu 589

## RESULT 10

PCT-US91-02321-2  
 ; Sequence 2, Application PC/TUS9102321  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Shoyab, Mohammed  
 ; APPLICANT: Plowman, Gregory D.  
 ; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH  
 ; TITLE OF INVENTION: MODULATING PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Bristol-Myers Squibb Company  
 ; STREET: 3005 First Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98121  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US91/02321  
 ; FILING DATE: 19910403  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: POOR, Brian W.  
 ; REGISTRATION NUMBER: 32,928  
 ; REFERENCE/DOCKET NUMBER: ON0071A-PC  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206)728-4800  
 ; TELEFAX: (206)448-4775  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 589 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; PCT-US91-02321-2

Alignment Scores:  
 Pred. No.: 9,94e-167 Length: 589  
 Score: 2696.00 Matches: 443  
 Percent Similarity: 84.15% Conservative: 56  
 Best Local Similarity: 74.70% Mismatches: 90  
 Query Match: 65.71% Indels: 4  
 DB: 5 Gaps: 3

US-09-824-647-16 (1-2095) x PCT-US91-02321-2 (1-589)

QY 13 ATGTGGACCCGTGTAGCTGGTGGCTTACAGCAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 72  
 Db 1 MetTrpIleLeuValSerTrpLeuAlaLeuValAlaArgLeuValAlaGlyThrGlnCys 20  
 QY 73 CCAGATGTGTCTCTGCGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCT 132  
 Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTyrSer 40  
 QY 133 TGCTGCGGTCCCTCTTGTGACAAATGGCCCAACACATGTGAGGAGCATCTGGGTGGCCCC 192

Db 41 CysCysAsnProLeuLeuAspThrTrpProIleIleThrSerArgArgLeuAspGlySer 60  
 QY 193 TGCAGAGTTTATGATCCCACTGCTCTGCGCGCACCTCTCTGATCATCTTACCGTCTCAGGACT 252  
 Db 61 CysGlnIleArgAspHisCysProAspGlyTyrSerCysLeuLeuThrValSerGlyThr 80  
 QY 253 TCCAGTTGCTGCGCCCTTCCAGAGCGCGTGGCATGGGGATGGCGGATGCCATCATCTCTCGCCCA 312  
 Db 81 SerSerCysCysProPheSerGluGlyValSerCysAspAspGlyGlnHisCysCysPro 100  
 QY 313 CGGGCTTCCACTGCAGTGCAGACGGCGCATCTCTGCTTCCAAAGATCAGATACCACTCC 372  
 Db 101 ArgGlyPheHisCysSerAlaAspGlyLysSerCysSerGlnIleSer---AspSerLeu 119  
 QY 373 GTGGTCCCATCCAGTGCCTGATAGTCAGTTCGATGCGCGGACTTCTCCAGTGTGTGT 432  
 Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139  
 QY 433 GTTATGTGCTGCTCTGCGGCTGTGCGCCCATGCCCATGCCAGGCTTCTCTGTGTGAAGAC 492  
 Db 140 IleMetIleAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159  
 QY 493 AGGTGTACTCTGTCCGACGCTGCTTCTGCGACCTGTTTCACACCCGCTGTCATCACA 552  
 Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysIleSer 179  
 QY 553 CCCACGGGACCCACACCCCTGGCAAAGACTCTCCCTGCCAGAGGACTTAACAGGCGAGTG 612  
 Db 180 ProThrGlyThrHisProLeuLeuLysPheProAlaGlnArgThrAsnArgAlaVal 199  
 QY 613 GCCTGTCCAGTCCGTATGTGTCCGGAACGACGCTCCCGTCCCGTCCCTGTGTGTCTTACC 672  
 Db 200 AlaPheProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219  
 QY 732 TGCTGTGAGTCCCGAGTGGCAAGTATGCTGTGCTGCCCAATGCCCAACCGCCACCTGTGTC 732  
 Db 220 CysCysGluLeuProThrGlyLysTyrGlyCysCysProMetProAsnAlaIleCysCys 239  
 QY 733 TCCGATCACCCTGCTGTGCCCCAAGACACTGTGTGTGACCTGTGACCTGATCCAGTAAGTGC 792  
 Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259  
 QY 793 CTCTCCAGGAGAACGCTACACAGGACTCTCTCAAGCTGCTGCGGCGCACACAGTGGGC 852  
 Db 260 IleSerLysAsp---TyrThrThrAspLeuMetThrLysLeuProGlyTyrProValAsn 278  
 QY 853 GATGTCAAATGTACATCGAGGTGAGTGCACAGATGGCTATACCTGTGCTGCTGCTTACAG 912  
 Db 279 GluValLysCysAspLeuValSerCysProAspGlyTyrThrCysCysArgLeuAsn 298  
 QY 913 TCGGGGCTGCGGCTGCTGCGCTTTTACCAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 972  
 Db 299 ThrGlyAlaIleTrpGlyCysProPheThrLysAlaValCysCysGluAspHisIleHis 318  
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 Db 319 CysCysProAlaGlyPheGlnCysHisThrGluThrGlyThrCysGluLeuGlyValLeu 338  
 QY 1033 CAGGTGCTGATGAGAGAGCCCGCCAGCTCACCTCAGCTGCCAGACCCACACAGCCCTTG 1092  
 Db 339 GlnValProTrpMetLysValThrAlaSerLeuSerLeuProAspProGlnIleLeu 358  
 QY 1093 AAGAGAGATGCTCCCTGTGATAATGTACAGCAGCTGTCTCTCTCCGATACCTGTGTGCCAA 1152  
 Db 359 LysAsnAspValProCysAspAspPheSerSerCysProSerAsnAsnThrCysCysArg 378  
 QY 1153 CTCACCTCTGGGAGTGGGGCTGTGTCCATCCAGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1212  
 Db 379 LeuSerSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysLeuAspHis 398  
 QY 1213 CAGCACTGTGCCCCCAGCGATACACGT 1272



**CORRESPONDENCE ADDRESS:**  
ADDRESSES: Pernie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036

**COMPUTER READABLE FORM:**  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/429-998  
FILING DATE: 27-APR-1995  
CLASSIFICATION: 514  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 07/568,648  
FILING DATE: 13-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Mastrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-161-999  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 589 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-429-998-6

**Alignment Scores:**

Pred. No.:	Score:	Length:
1	2693.00	589
Percent Similarity:	83.98%	Matches: 441
Best Local Similarity:	74.37%	Conservative: 57
Query Match:	65.63%	Mismatches: 91
		Indels: 4
		Gaps: 3

US-09-824-647-16 (1-2095) x US-08-429-998-6 (1-589)

QY 13 ATGTGACCCCTGGTGAAGTCGGTGCGCTTAACAGCAGGCGTGGTGGTGGACGGTGC 72  
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20  
QY 73 CCAGATGGTCAGTTCTGCCCTCTGGCTCTGCTGCTGCAACCAGGAGGAGCCAGCTACAGC 132  
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAlaSerTrpSer 40  
QY 133 TGCTGGCGCTCCCTTCTGGACAATGGCCCCAACAACACTGAGCATCTTTACCTCTCAGGACT 252  
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgLleThrSerHisLeuAspGlySer 60  
QY 193 TGCAGAGTTGATGCCCACTGCTCTGCGCGCCACTCTCTGCAATCTTTACCTCTCAGGACT 312  
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTrpSerCysLeuLeuThrValSerGlyThr 80  
QY 253 TCAGTTGCTGCCCTTCCCAGAGCGCTGGCATGGGGATGGCCATCACCTGCTGCCCA 312  
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTyrrHisCysCysPro 100  
QY 313 CGGGGCTTCCAGTGCAGTCGAGCGGGGATCTCTGCTTCCAAGATCAGGTAACTACTCC 372  
Db 101 GlnGlyPheHisCysSerAlaAspGlyLysSerCysPheGlnMetSer---AspAsnPro 119  
QY 373 GTGGGTGCCATCCAGTGCCTGATAGTCAGTTTCAATGCCGAGCTTCTCCAGCTCTCT 432  
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139  
QY 433 GTTAGTGTGATGGCTCTCTGGGGGTGCTGCCCAAGCCAGCGCTCTCTGCTGTGAAGAC 492

**GENERAL INFORMATION:**  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Flowman, Gregory D.  
TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH  
MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12

**RESULT 12**  
US-08-429-998-6  
Sequence 6, Application US/08429998  
Patent No. 5885961  
GENERAL INFORMATION:  
APPLICANT: Shoyab, Mohammed  
APPLICANT: Flowman, Gregory D.  
TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH  
MODULATING PROTEINS  
NUMBER OF SEQUENCES: 12



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553 CCACGGGACCCACCCCTCGGAAAGAGAGCTCCCTGCGACAGGAGCTAACAGGGCAGTG 612
Db
180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnArgAlaVal 199
QY
613 GCCTTGTCACAGCTCGGTGATGCTCGGACGACGCTCCGGTCCCTGATGCTTCTACC 672
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733 TCCGATCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
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319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyLeu 338
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359 LysSerAspThrProCysAspAspPheThrArgCysProThrAsnAsnThrCysCysLys 378
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379 LeuAsnSerGlyAspTrpGlyCysCysProLeuProGluAlaValCysCysSerAspAsn 398
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1213 CAGCAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1272
Db
399 GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
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419 ThrMetValAlaGlyLeuGluLysLeuProAlaArgGlnThrThrProLeuGlnLeuGly 438
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439 AspLeuGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
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1393 GGTGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
Db
459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
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1453 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
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479 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
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517 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
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1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
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537 TrpAlaCysCysProTyrLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
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1693 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1752
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557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysLysLysLysLys 576
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1753 GACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1791
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577 AspMetPheLeuArgProValProArgProLeuLeu 589

RESULT 13
US-08-431-333-6
; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
; TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-431-333-6

Alignment Scores:
Pred. No.: 1,55e-166 Length: 589
Score: 2693.00 Matches: 441
Percent Similarity: 83.98% Conservative: 57
Best Local Similarity: 74.37% Mismatches: 51
Query Match: 65.63% Indels: 4
DB: 2 Gaps: 3

US-09-824-647-16 (1-2095) x US-08-431-333-6 (1-589)
QY 13 ATGTGGACCTGCTGCTGCTGCTGCTGCTTAACAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCT
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1153  CTCACGCTGGGAGATGGGGCTGCTGCTCAATCCAGAGGCTGCTGCTCGGACCAC 1212
379  LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
1213  CAGCACTGCTGCCCCAGCGATACACGCTGTAGCTGAGGGGAGTGTACGACGAGGAAGC 1272
399  GlnHisCysCysProGlnGlyPheThrCysLeuAlaGlnGlyTyrCysGlnLysGlyAsp 418
1273  GAGATCGTGGCTGGACTGGAGAAAGATGCTTGCCTGCCCGCGGGTTCCTTATCCCAACC 1332
419  ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
1333  GACATCGGCTGTACACAGACACACAGCTGCCCGGTGGCGGAACCTGCTGCCCGAGCCAG 1392
439  AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
1393  GGTGGGAGCTGGGCCTGCTGCCAGTTCGCCCATGCTGTGTGCTGCGAGGATCGCCAGCAC 1452
459  LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
1453  TGTGTCGGCTGGCTACACCTCAACGTCGAAGGCTCGATCCTGCGAGAAGGAAGTGGTC 1512
479  CysCysProAlaGlyTyrThrCysAsnValCysAlaAlaArgThrCysGluLysAspVal 498
1513  TCTGCCAGAGCTGCCACCTTCTCGGCCCGTAGCCCTCACGTGGGTGTGAAGGACGTGGAG 1572
499  PheIleGlnProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
1573  TGTGGGAAGACATCTCTCCATGATAACAGACCTGCTGCCGAGACACCGACAGGCG 1632
517  CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysLysAspSerAlaGlyVal 536
1633  TGGGCTGCTGCTCCCTACGCCAGGGCGTCTGTGTGCTGATCGCGCGCCACTGCTGCTCT 1692
537  TrpAlaCysCysProTyrLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
1693  GCTGCTTCGCTGCGCACGAGGGGTACGAGTGTGGCAGGAGGCCCCCGGCTGG 1756
557  GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArgTrp 576
1753  GAGCCCTTTGAGGGACCCAGCCTTCGACAGCAGCTGCTG 1791
577  AspMetPheLeuArgAspProValProArgProLeuLeu 589

RESULT 14
PCT-US91-02321-6
; Sequence 6, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
; TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.

```

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; REGISTRATION NUMBER: 22,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-6

Alignment Scores:
Pred. No.: 1 55e-166 Length: 589
Score: 2633.00 Matches: 441
Percent Similarity: 83.98% Conservative: 57
Best Local Similarity: 74.37% Mismatches: 91
Query Match: 65.63% Indels: 4
DB: 5 Gaps: 3

US-09-824-647-16 (1-2095) x PCT-US91-02321-6 (1-589)
QY 13 ATGTGGACCTGGTGGCTGGTGGCTTAAACAGCAGGCGCTGGCTGGAGCGCGTGC 72
Db 1 MetTrpValLeuMetSerTrpLeuAlaPheAlaAlaGlyLeuValAlaGlyThrGlnCys 20
QY 73 CCAGATGGTCACTTCCCTCTGGCTGGCTGGCTGGACCCCGAGGAGCCAGCTACAGC 132
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QY 133 TGCTGCGCTCCCTCTGGCAATGCGCCACAACTGAGCAGGCGATCTGGGTGCGCCC 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProArgIleThrSerHisLeuAspGlySer 60
QY 193 TGCAGAGTATGCCACTGCTGCGCGGCACCTGCTGCATCTTACCGTCTCAGGACT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTrpSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGCGCGCTGGCATGGGGATGCCATCACTGCTGCCCA 312
Db 81 SerSerCysCysProPheSerHisGlyValSerCysGlyAspGlyTrpHisCysCysPro 100
QY 313 CGGGCTTCCACTGACGTGACAGCGGCGATCTGCTTCCAAAGATCAGATCACTCC 372
Db 101 GlnGlyPheHisCysSerAlaAspGlySerCysPheGlnMetSer---AspAsnPro 119
QY 373 GTGGTGCCATCCAGTGCCTGTAGTCACTTCAATGCCCGGACTTCTCCAGTCTGT 432
Db 120 LeuGlyAlaValGlnCysProGlySerGlnPheGluCysProAspSerAlaThrCysCys 139
QY 433 GTTATGTCGATGCTCTGCGGGTGTGCTGCCCATGCCAGGCTTCTGCTGTGAGAC 492
Db 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysGluAsp 159
QY 493 AGGTGTCACTGCTCTCCGACGCTGCTTCTGCGACCTGGTTACACCCCGCTGCATCACA 552
Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCCACGGGCAACCCCTCCGCAAGAGTCCCTGCGCAGAGGACTAACAGGGCGAGTG 612
Db 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnArgAlaVal 199
QY 613 GCCTTGTCCAGTGGTGTGTCGAGCGCAGCTCCCGTCCCGTCCCTGATGGTTCTACC 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY 673 TGCTGTAGTCCCGAGTGGGAATGCTGCTGCCCAATGCCCAACGCCACCTGCTGC 732
Db 220 CysCysGluLeuProThrGlyLysTrpGlyCysCysProMetProAsnAlaIleCysCys 239
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RESULT 15

US-08-991-862-2

; sequence 2, Application US/08991862

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Db 260 LeuSerLys---AsnTrpThrThrAspLeuLeuThrLysLeuProGlyTrpProValLys 278
QY 853 CATGTGAAATGTGACATGGAGGTGAGCTGCCAGATGGCTATACCTGCTCCGCTACAG 912
Db 279 GluValLysCysAspMetGluValSerCysProGluGlyTrpThrCysCysArgLeuAsn 298
QY 913 TCGGGGCGCTGGGCTGCTGCTGCTTTTACCAGGCTGTGCTGTGAGGACCATACAC 972
Db 299 ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysGluAspHisIleHis 318
QY 973 TGCTGTCCGCGGGGCTTTACGTGCACACGACAGAGGTACTCTGTGAACAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu 338
QY 1033 CAGGTGCTGCTGGATGGAGAGCCCGCAGCTCACCTCAGCTGCCAGACCCACAGCCTTG 1092
Db 339 GlnValProTrpMetLysLysValIleAlaProArgArgLeuProAspProGlnIleLeu 358
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Db 379 LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
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QY 1393 GGTGGGAGCTGGCGCTGCTGCCAGTGTGCCCATGCTGTGTGCTGCGAGGATCGCCAGCAC 1452
Db 459 LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 478
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Db 479 CysCysProAlaGlyTrpThrCysAsnValLysAlaArgThrCysGluLysAspValAsp 498
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Db 499 PheIleGlnProProValLeuLeuThrLeuGlyProLysValGly-----AsnValGlu 516
QY 1573 TGTGGGAGAGACATTTCTGCCATGATTAACAGACCTGCTGCCGAGACACCGCAGGCGC 1632
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QY 1633 TGGGCTGTGTCCTTACGCCAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
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QY 1693 GCTGCTTCCGCTGCCACGACAGGAGTACCAAGTGTGCTGCGAGGAGGCGCGCGCTGG 1752
Db 557 GlyGlyPheHisCysSerAlaArgGlyThrLysCysLeuArgLysLysIleProArgTrp 576
QY 1753 GAGCGCCCTTTCAGGAGCCCGCTTGTGACACAGCTGTG 1791
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; Patent No. 6309826
; GENERAL INFORMATION:
; APPLICANT: Serfero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/08/991.862
; EARLIER FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/863.862
; EARLIER FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT
; ORGANISM: Mouse epithelin/granulin
US-09-991-862-2

Alignment Scores:
Pred. No.:          9,27e-166      Length:          589
Score:             2681.00         Matches:         439
Percent Similarity: 83.81%         Conservative:    58
Best Local Similarity: 74.03%      Mismatches:      92
Query Match:       65.34%          Indels:          4
DB:                4              Gaps:           3

US-09-824-647-16 (1-2095) x US-08-991-862-2 (1-589)

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Fri Mar 26 17:57:06 2004

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